Frequently asked questions about SYNAPS OM

Contents

1 Ink - What are the recommended densities to offset print SYNAPS OM?

Recommended densities (measurement on wet print, white backing) for process inks on SYNAPS OM are:

K: 1.50 – C: 1.20 – M: 1.15 – Y: 1.20.

For printing pantone colours or other spot colours, use the (pantone or spot) colour sample book for underlined uncoated paper as a reference.

2 Ink - Do I need special offset inks to print SYNAPS OM?

No special inks are required. No need to use special oxidative drying inks. Standard offset inks are perfect to print SYNAPS OM.

No special drying agents to mix with the inks or fountain solution are recommended.

3 Ink - Can I print SYNAPS OM with UV curable offset inks?

Yes. You can print SYNAPS OM with UV offset. Set the UV lamp power up to a level just high enough to cure the ink. The thinnest grades or more prone for waviness caused by the heat of the lamps so we recommend to perform a test before you decide to use thin SYNAPS OM.

LED UV lamps generate less heat and are therefore less prone to cause waviness of the substrate.

LEC (Low Energy Curing) UV inks are also compatible with SYNAPS OM.

4 Ink - Can SYNAPS OM be overprinted with varnish or aqueous coating (dispersion lacquer)?

Yes. Varnish is in fact a transparent ink so we don't print a too thick layer of varnish onto a full color job. The coating layer could get saturated when you apply a too thick layer which could result in ink drying problems and offsetting problems. When you apply a varnish the color densities increase and therefore we recommend to print at somewhat lower densities before you apply the varnish.

Because SYNAPS OM has a coating layer that absorbs the ink (and varnish) very well, you will notice a gloss effect on areas with high image coverage and a mat effect on areas with no or little image coverage when you apply a gloss varnish.

To avoid these gloss and mat effects, we recommend to apply an aqueous coating (dispersion lacquer) when you want to protect the printed image on SYNAPS OM because lacquer units on printing presses

apply a thicker layer. Due to the fact that dispersion lacquer is instant dry, a printer even has the possibility to apply multiple layers so higher gloss + better image protection can be achieved.

5 Ink - Is SYNAPS OM suitable for offset poster printing applications?

Yes. We advise the customer to choose inks with high lightfastness properties (scale 1 - 8). Especially yellow

and magenta are prone for color fading after prolonged exposure to sunlight.

Every ink supplier has ink series with higher lightfastness properties so talk with your ink supplier.

With dispersion lacquers and overprint varnishes, you increase densities and improve the lightfastness properties.

There are special UV coatings in the market with color protecting properties so when you overprint the posters with such a dedicated UV coating, you achieve higher densities and better print protection.

6 Ink - What are the recommendations when ink offsetting problems occur?

Conventional ink types are recommended to print on SYNAPS OM. Special oxidative inks are more prone to cause offsetting problems.

If you print process colors, please follow the ink density recommendations from our printing guidelines (K: 1.50 – C: 1.20 – M: 1.15 – Y: 1.20).

If you print pantone colors, use the pantone color sample book as a reference for adjusting the print density It is important is that you use the printed sample book for uncoated paper, not for glossy paper. If not, you might print too high densities which can result in saturation of the SYNAPS OM coating layer with possible problems like slow ink setting, insufficient ink drying and offsetting.

Another attention point is the ink/water mix. Best printing results and ink drying properties are obtained when a printer prints 'on the edge' meaning that he prints with a dampening level just high enough to keep the non image parts clean. Lower dampening level means lower ink level and less emulsification on the press => best printing condition.

Please ask the printer to check the recommendations for mixing the fountain solution additive. Maybe he mixes a too high dosage which has a negative effect on the ink drying. When he uses an automatic fountain solution dosage mixing system, please ask him to check if the dosing system works correct (you can ask him to switch off the dosage system, empty the fountain tank and try again with a correct fountain solution mixture made by hand).

When a printer has everything under control on his offset press, no offsetting problems occur with SYNAPS OM.

When printing very heavy and dark images (e.g. >250% image coverage) , slight anti set-off powdering is recommended.

7 Printing - How can I reduce cost in makeready sheets when offset printing SYNAPS OM?

In case a customer needs to print short runs with many plate/image changes, the cost of SYNAPS OM can be a disadvantage. A printer can use uncoated paper with the same gauge as the SYNAPS OM for makeready sheets. This paper is cheap and perfect as a work around solution to tackle the high cost of SYNAPS OM makeready sheets.

When he prints recommended densities for uncoated paper, he will print too high densities when he starts printing on SYNAPS OM afterwards so he must print to densities that are about 0.25 lower than what is recommended for printing on uncoated paper.

When he then switches over to SYNAPS OM, he should be more or less right on target. Minor adjustments are however still possible.

8   Printing - Can I print SYNAPS OM with UV inkjet?

Yes. Our experience is that the UV inkjet printing press operator has to find a good working point for printing UV inkjet on SYNAPS OM. Press settings depend on image coverage and type of inkjet printing press (and especially type of UV lamps).

To achieve a good working point, the operator has to 'play' with: UV-power, vacuum setting, roll tension, printing speed, ink layer (% image coverage).

To avoid waviness of the substrate, please advise the operator to set the UV-power just high enough to cure the ink. LED UV lamps or less prone for waviness of the substrate.

9   Printing - Can I print SYNAPS OM on HP Indigo presses?

SYNAPS OM135, OM170, OM230 and OM300 are certified for HP Indigo sheetfed presses.

SYNAPS OM450 is printable but not certified for HP Indigo sheetfed presses (no certification because weight is beyond HP Indigo specification (max. 350gr / 400μ)).

For very long production runs, experience learns that the blanket needs to be replaced sooner compared to paper printing. Adjusting the blanket temperature up to a level just high enough to dry the HP Indigo ElectroInk will extend the lifetime of the blanket.

For printing SYNAPS OM on HP Indigo web presses you need to apply a primer before printing.

10 Printing - Can I print SYNAPS OM on latex inkjet printers?

Latex printing on SYNAPS OM is possible but you have to take following recommendations into account. Printing speed has to be slow (unidirectional printing in many passes) in order to avoid waviness of the substrate caused by too high drying settings. Heavy images are more prone to show these phenomena.

We recommend you to search for the best working point and test on beforehand for critical jobs.

11 Printing - Can I print SYNAPS OM on Riso duplicators?

No. SYNAPS OM is not compatible with Riso duplicator systems.

12 Printing - Can I print SYNAPS OM on Océ Colorwave printers?

No. The print result looks ok but the printed images are very sensitive for marking caused by guiding wheels of the printer. The printed images are also very scratch sensitive so we do not recommend to use SYNAPS OM

on these type of presses.

13 Printing - Can I use SYNAPS OM on desktop inkjet printers?

No, SYNAPS OM is not compatible with desktop inkjet printers. The coating layer of SYNAPS OM rejects the water based ink.

14 Printing - Can I use SYNAPS OM for screen printing?

Yes. SYNAPS OM was tested successfully on UV and solvent screen printing presses.

15 Printing - Can I use SYNAPS OM on flexo printing presses?

Yes. We tested SYNAPS OM with waterbased flexo ink (hot air drying) and UV flexo ink (UV lamp curing). Both tests were successful.

16 Printing - Can I use SYNAPS OM on thermal transfer printers?

Yes. We successfully tested SYNAPS OM on a Thermaline T5000R thermal transfer printer equipped with a wax/resin ribbon.

17 Finishing - Can I cut SYNAPS OM on guillotine cutting machines?

Yes. The hardened steel cutting blade has to be sharp and clean for optimum cutting result. Don't cut lifts higher than 5cm (2 inches). The angle of the cutting blade is important. The sharper the angle of the blade, the cleaner the cut.

18 Finishing - Can SYNAPS OM be used for die cutting?

Use sharp hard steel blades with rounded inner corners. Avoid inside die-cuts less than or equal to 90 degrees. Keep retention points small and few to avoid tearing when you take away the waste material. The best results are obtained on cylinder type presses. Platen type presses are less suitable especially for complex die cut shapes. For die cutting the thickest SYNAPS OM gauges, you can consider to use dies for die cutting polycarbonate cards. These dies are very hard and produce the cleanest cuts.

19 Finishing - Can I cut SYNAPS OM on laser cutting equipment?

Yes. Laser cutting works well. The power of the cutting device needs to be adjusted according to the thickness of the substrate. Laser engraving is also possible on SYNAPS OM.

20 Finishing - Can I cut SYNAPS OM on rolling trimmers and cutting plotters?

Yes. Rolling trimmers and cutting plotters work well with the lighter versions of SYNAPS OM. Heavier versions may give problems, depending on the equipment used. Before you decide to use SYNAPS OM, a test is recommended.

Heavier versions of SYNAPS OM can be cut on flatbed cutting plotter devices as this type of equipment can cut thicker substrates.

21 Finishing - Can I drill SYNAPS OM with graphic drilling equipment?

Yes. Use sharp and clean drill bits. Drills have to be free of nicks. Use short dwell times during drilling to eliminate heat generation. Don't drill too high lifts. Recommended drills are steel drills coated with Teflon (to prevent sticking). If possible, lower the speed of the drills to prevent heat generation.

Intermediate spraying on the inside and the outside of the drill with 'dry silicone spray' or intermediate drilling in wax paper (lubrication inside the drill bits) will facilitate drilling and will extend the life and sharpness of the drill significantly.

The best results are obtained with drilling equipment that have drill bit lubrication and drill bit cooling.

22 Finishing - Can I fold SYNAPS OM on regular folding equipment?

The thinner versions of SYNAPS OM can be folded on a regular folding machine. Folding can be difficult, especially with the heavier versions of SYNAPS OM. Cross folding (superimposed or transverse fold) is not recommended for all gauges.

Scoring is recommended to obtain a tight fold with the heavier versions of SYNAPS OM. The ridge of the score should be on the outside of the fold.

Avoid folds that cause air entrapment, since SYNAPS OM is not permeable.

It is recommended to apply pressure after folding to keep the fold tight.

Important **!** Always do a folding test before deciding to use SYNAPS OM for a specific job!

23 Finishing - Can SYNAPS OM be laminated.

Yes. SYNAPS OM can be laminated with PET/PE film and OPP film. The operating temperature should not exceed 120 °C (248 °F). Tests with PVC film were not successful.

24 Finishing - Can I emboss SYNAPS OM?

Embossing on a cylinder press works well with all SYNAPS OM weights.

On a platen press the pressure and evenness of pressure can be a problem especially with thicker SYNAPS OM grades and more complex embossing forms. We recommend to use hardened embossing moulds.

Before you decide to use SYNAPS OM for embossing, a test is strongly recommended.

25 Finishing - Can I use SYNAPS OM for ultrasonic welding?

No, SYNAPS OM is not suitable for ultrasonic welding.

26 Finishing - Can I use SYNAPS OM for book finishing?

SYNAPS OM is a perfect material for Wire-O, Unicoil-Spiral and comb binding. Use round holes to avoid tearing.

For book covers, we recommend applying a top coating on SYNAPS OM to avoid scratching or marking.

For 'perfect binding' book covers, we recommend to use SYNAPS OM up to OM170. Thicker SYNAPS OM is prone to cause cover gapping at the book spine. As glue for perfect binding books, we recommend to use EVA or PUR glue. Always do a binding test before deciding to use SYNAPS OM for a specific job!

27 Finishing - Can I use SYNAPS OM for hot foil stamping?

Yes. SYNAPS OM can be used for hot foil stamping.

28 Miscellaneous - Is SYNAPS OM writable?

Yes, SYNAPS OM is writable with ballpoint, fountain pen and pencil. When you use an alcohol or solvent based marker pen, the coating layer of SYNAPS OM can be dissolved certainly when you apply more streaks on the same spot. When you want to write and draw on SYNAPS OM with a marker pen, it is recommended to apply a UV coating layer on the surface first.

We also performed a test with a highlighter pen (text marker pen) on SYNAPS OM and we did not notice any dissolving of the coating layer.

29 Miscellaneous - Does the whiteness of SYNAPS OM change due to exposure to sunlight?

Yes. SYNAPS OM becomes slightly yellowish after prolonged exposure to sunlight. After this shift, the level of whiteness remains the same. Important: the SYNAPS OM coating layer stays intact and does not deteriorate.

30 Miscellaneous - Can I use SYNAPS OM for underwater applications?

Yes. When you submerge SYNAPS OM in water the SYNAPS OM coating layer soaks up water which results in a coating layer that becomes more scratch sensitive. This means that, when you would treat soaked wet SYNAPS OM rough (e.g. throwing something heavy on SYNAPS OM or throwing something sharp on SYNAPS OM), you might damage printed SYNAPS OM and lose image parts.

When you submerge SYNAPS OM in water without scratching the coating layer or rough handling, nothing will happen. After drying, the SYNAPS OM coating layer is again as scratch resistant as before the submersion in water.

The wet scratch resistance of SYNAPS OM can be improved significantly with a dedicated overprint water based dispersion lacquer. Agfa recommends Actega Terrawet Barrier Coating G 9/523. The thicker the lacquer layer, the better the wet scratch resistance.

31 Miscellaneous - Is SYNAPS OM available in sheets and rolls?

Yes. SYNAPS OM is available in sheets and rolls. Please check www.agfa.com/synaps for more information.

32 Miscellaneous - What are the recommendations for waste disposal of SYNAPS OM?

SYNAPS OM has plastic recycling code "7 - Other". SYNAPS OM is a polyester that is quite different from the type of polyester that is used for the production of PET bottles for instance. It can be recycled but post-print SYNAPS OM is to be treated as waste because the ecological cost of collecting and selecting the waste is higher than the ecological benefit. Regulations for waste disposal may differ per country so please consult the local regulations.

Frequently asked questions about SYNAPS PS (OM135/AP-AR)

Contents

1 Ink - What are the recommended densities to offset print SYNAPS OM135/AP-AR?

Recommended densities (measurement on wet print, white backing) for process inks on SYNAPS OM135/AP-AR are:

K: 1.50 – C: 1.20 – M: 1.15 – Y: 1.20.

For printing pantone colours or other spot colours, use the (pantone or spot) colour sample book for underlined uncoated paper as a reference.

2 Ink - Do I need special offset inks to print SYNAPS OM135/AP-AR?

No special inks are required. No need to use special oxidative drying inks. Standard offset inks are perfect to print SYNAPS OM135/AP-AR.

No special drying agents to mix with the inks or fountain solution are recommended.

3 Ink - Can I print SYNAPS OM135/AP-AR with UV curable offset inks?

Yes. You can print SYNAPS OM135/AP-AR with UV offset. Set the UV lamp power up to a level just high enough to cure the ink.

LED UV lamps generate less heat and are therefore less prone to cause waviness of the substrate.

LEC (Low Energy Curing) UV inks are also compatible with SYNAPS OM135/AP-AR.

4 Ink - Can SYNAPS OM135/AP-AR be overprinted with varnish or aqueous coating (dispersion lacquer)?

Yes. Varnish is in fact a transparent ink so we don't print a too thick layer of varnish onto a full color job. The coating layer could get saturated when you apply a too thick layer which could result in ink drying problems and offsetting problems. When you apply a varnish the color densities increase and therefore we recommend to print at somewhat lower densities before you apply the varnish.

Because SYNAPS OM135/AP-AR has a coating layer that absorbs the ink (and varnish) very well, you will notice a gloss effect on areas with high image coverage and a mat effect on areas with no or little image coverage when you apply a gloss varnish.

To avoid these gloss and mat effects, we recommend to apply an aqueous coating (dispersion lacquer) when you want to protect the printed image on SYNAPS OM because lacquer units on printing presses apply a thicker layer. Due to the fact that dispersion lacquer is instant dry, a printer even has the possibility to apply multiple layers so higher gloss + better image protection can be achieved.

5   Ink - Is SYNAPS OM135/AP-AR suitable for offset poster printing applications?

Yes. We advise the customer to choose inks with high lightfastness properties (scale 1 - 8). Especially yellow and magenta are prone for color fading after prolonged exposure to sunlight.

Every ink supplier has ink series with higher lightfastness properties so talk with your ink supplier.

With dispersion lacquers and overprint varnishes, you increase densities and improve the lightfastness properties.

There are special UV coatings in the market with color protecting properties so when you overprint the posters with such a dedicated UV coating, you achieve higher densities and better print protection.

6   Ink - What are the recommendations when ink offsetting problems occur?

Conventional ink types are recommended to print on SYNAPS OM135/AP-AR. Special oxidative inks are more prone to cause offsetting problems.

If you print process colors, please follow the ink density recommendations from our printing guidelines (K: 1.50 – C: 1.20 – M: 1.15 – Y: 1.20).

If you print pantone colors, use the pantone color sample book as a reference for adjusting the print density It is important is that you use the printed sample book for uncoated paper, not for glossy paper. If not, you might print too high densities which can result in saturation of the SYNAPS OM135/AP-AR coating layer with possible problems like slow ink setting, bad in drying and offsetting.

Another attention point is the ink/water mix. Best printing results and ink drying properties are obtained when a printer prints 'on the edge' meaning that he prints with a dampening level just high enough to keep the non image parts clean. Lower dampening level means lower ink level and less emulsification on the press => best printing condition.

Please ask the printer to check the recommendations for mixing the fountain solution additive. Maybe he mixes a too high dosage which has a negative effect on the ink drying properties. When he uses an automatic fountain solution dosage mixing system, please ask him to check if the dosing system works correct (you can ask him to switch off the dosage system, empty the fountain tank and try again with a correct fountain solution mixture made by hand.

When a printer has everything under control on his offset press, no offsetting problems occur with SYNAPS OM135/AP-AR.

When printing very heavy and dark images (e.g. >250% image coverage) , slight anti set-off powdering is Recommended

7   Printing - Can I print SYNAPS OM135/AP-AR with UV inkjet?

Yes. Our experience is that the UV inkjet printing press operator has to find a good working point for printing

UV inkjet on SYNAPS OM135/AP-AR. Press settings depend on image coverage and type of inkjet printing press (and especially type of UV lamps).

To achieve a good working point, the operator has to 'play' with: UV-power, vacuum setting, roll tension, printing speed, ink layer (% image coverage).

To avoid waviness of the substrate, please advise the operator to set the UV-power just high enough to cure the ink. LED UV lamps or less prone for waviness of the substrate.

8 Printing - Can I print SYNAPS OM135/AP-AR on HP Indigo presses?

SYNAPS OM135/AP-AR is printable on HP Indigo sheetfed presses.

For very long production runs, experience learns that the blanket needs to be replaced sooner compared to paper printing. Adjusting the blanket temperature up to a level just high enough to dry the HP Indigo ElectroInk will extend the lifetime of the blanket.

For printing SYNAPS OM135/AP-AR on HP Indigo web presses you need to apply a primer before printing.

9 Printing - Can I print SYNAPS OM135/AP-AR on latex inkjet printers?

Latex printing on SYNAPS OM135/AP-AR is possible but you have to take following recommendations into account.

Printing speed has to be slow (unidirectional printing in many passes) in order to avoid waviness of the substrate caused by too high drying settings. Heavy images are more prone to show these phenomena.

You need to search for the best working point and test on beforehand for critical jobs.

10 Printing - Can I print SYNAPS OM135/AP-AR on Riso duplicators?

No. SYNAPS OM135/AP-AR is not compatible with Riso duplicator systems.

11 Printing - Can I print SYNAPS OM135/AP-AR on Océ Colorwave printers?

No. The print result looks ok but the printed images are very sensitive for marking caused by guiding wheels of the printer. The printed images are also very scratch sensitive so we do not recommend to use SYNAPS OM135/AP-AR on these type of presses.

12 Printing - Can I use SYNAPS OM135/AP-AR on desktop inkjet printers?

No, SYNAPS OM135/AP-AR is not compatible with desktop inkjet printers. The coating layer of SYNAPS OM135/AP-AR rejects the water based ink.

13 Printing - Can I use SYNAPS OM135/AP-AR for screen printing?

Yes. SYNAPS OM135/AP-AR was tested successfully on UV and solvent screen printing presses.

14 Printing - Can I use SYNAPS OM135/AP-AR on flexo printing presses?

Yes. We tested SYNAPS OM135/AP-AR with waterbased flexo ink (hot air drying) and UV flexo ink (UV lamp curing).

Both tests were successful.

15 Printing - Can I use SYNAPS OM135/AP-AR on thermal transfer printers?

Yes. We successfully tested SYNAPS OM135/AP-AR on a Thermaline T5000R thermal transfer printer equipped with a wax/resin ribbon.

16 Printing - Can I use SYNAPS OM135/AP-AR on dry toner printers?

Yes. SYNAPS OM135/AP-AR can be printed on a range of dry toner printers but it is important to know that perfect print results depend on the capability of the dry toner printer used.

You have to take the following recommendations into account.

To avoid glue build-up on the fuser drum, don't print with too high fuser settings. Use a fuser setting just high enough to cure the toner onto the substrate (test toner adhesion by scratching the printed image with your finger nail).

To avoid heat generation in the printed pile, don't print more than 20 consecutive sheets.

Always do a compatibility test before deciding to use SYNAPS OM135/AP-AR for a specific job.

17 Printing - Is it possible to print on the liner side of SYNAPS OM135/AP-AR?

Yes. The backside (liner side) of SYNAPS OM135/AP-AR can be printed.

Our recommendations are as follows:

- Print the SYNAPS OM135/AP-AR side first. In the second printing stage, you can print the liner side.

- Print the liner side with oxidative drying inks (special foil inks that only dry by oxidation) inclusive sufficient anti set-off powdering.
- Try to avoid printing heavy ink coverage on the liner side. Heavy ink coverage will have more difficulties to dry and are more prone to result in set-off problems.

18 Finishing - Can I cut SYNAPS OM135/AP-AR on guillotine cutting machines?

Yes. The hardened steel cutting blade has to be sharp and clean for optimum cutting result. Don't cut lifts higher than 5cm (2 inches). The angle of the cutting blade is important. The sharper the angle of the blade, the cleaner the cut.

19 Finishing - Can SYNAPS OM135/AP-AR be used for die cutting?

Use sharp hard steel blades with rounded inner corners. Avoid inside die-cuts less than or equal to 90 degrees. Keep retention points small and few to avoid tearing when you take away the waste material. The best results are obtained on cylinder type presses. Platen type presses are less suitable especially for complex die cut shapes.

20 Finishing - Can I cut SYNAPS OM135/AP-AR on laser cutting equipment?

Yes. Laser cutting works well. The power of the cutting device needs to be adjusted according to the thickness of the substrate. Laser kiss cutting is also possible on SYNAPS OM135/AP-AR.

21 Finishing - Can I cut SYNAPS OM135/AP-AR on rolling trimmers and cutting plotters?

Yes. Rolling trimmers and cutting plotters work well with SYNAPS OM135/AP-AR. Before you decide to use SYNAPS OM135/AP-AR, a test is recommended.

22 Finishing - Can I drill SYNAPS OM135/AP-AR with graphic drilling equipment?

Yes. Use sharp and clean drill bits. Drills have to be free of nicks. Use short dwell times during drilling to eliminate heat generation. Don't drill too high lifts. Recommended drills are steel drills coated with Teflon (to prevent sticking). If possible, lower the speed of the drills to prevent heat generation.

Intermediate spraying on the inside and the outside of the drill with 'dry silicone spray' or intermediate drilling in wax paper (lubrication inside the drill bits) will facilitate drilling and will extend the life and sharpness of the drill significantly.

The best results are obtained with drilling equipment that have drill bit lubrication and drill bit cooling.

23 Finishing - Can SYNAPS OM135/AP-AR be laminated.

Yes. SYNAPS OM135/AP-AR can be laminated with PET/PE film and OPP film. The operating temperature should not exceed 120 °C (248 °F). Tests with PVC film were not successful.

24 Finishing - Can I use SYNAPS OM135/AP-AR for hot foil stamping?

Yes. SYNAPS OM135/AP-AR can be used for hot foil stamping.

25 Miscellaneous - Is SYNAPS OM135/AP-AR writable?

Yes, SYNAPS OM135/AP-AR is writable with ballpoint, fountain pen and pencil. When you use an alcohol or solvent based marker pen, the coating layer of SYNAPS OM135/AP-AR can be dissolved certainly when you apply more streaks on the same spot. When you want to write and draw on SYNAPS OM135/AP-AR with a marker pen, it is recommended to apply a UV coating layer on the surface first.

We also performed a test with a highlighter pen (text marker pen) on SYNAPS OM135/AP-AR and we did not notice any dissolving of the coating layer.

26 Miscellaneous - Does the whiteness of SYNAPS OM135/AP-AR change due to exposure to sunlight?

Yes. SYNAPS OM135/AP-AR becomes slightly yellowish after prolonged exposure to sunlight. After this shift, the level of whiteness remains the same. Important: the SYNAPS OM135/AP-AR coating layer stays intact and does not deteriorate.

27 Miscellaneous - Is SYNAPS OM135/AP-AR available in sheets and rolls?

No. SYNAPS OM135/AP-AR is only available in sheets. Please check www.agfa.com/synaps for more information.

28 Miscellaneous - Is SYNAPS OM135/AP-AR resistant to chemicals?

Lab tests were performed with the following fluids (internal Agfa test method – 10 minutes submersion):

Demineralised water => no attack

NaCl 10% => no attack

H2SO4 38% => no attack

Ethanol => attack

Aceton => attack

29 Miscellaneous - What are the recommendations for waste disposal of SYNAPS OM135/AP-AR?

SYNAPS OM135/AP-AR has plastic recycling code "7 - Other". SYNAPS OM135/AP-AR is a polyester that is quite different from the type of polyester that is used for the production of PET bottles for instance. It can be recycled but post-print SYNAPS OM135/AP-AR is to be treated as waste because the ecological cost of collecting and selecting the waste is higher than the ecological benefit. Regulations for waste disposal may differ per country so please consult the local regulations.

This information is the best currently available on the subject. The results should, however, only be regarded as a general guide to material properties and not as a guarantee. Please contact Agfa-Gevaert N.V., Septestraat 27, B-2640 Mortsel, Belgium, email: marketingsynaps@agfa.com, tel. +32 3 4448459 for additional information.

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AGFA

Frequently asked questions about SYNAPS XM

Contents

1 Printing – Can I print SYNAPS XM on all laser printing devices?

In general, the following experiences apply:

For best colour reproduction on desktop/office printers, SYNAPS XM135 is recommended, although SYNAPS XM230 can also be used on some desktop/office printers (simplex printing). SYNAPS XM230 runs well on midrange digital equipment. SYNAPS XM300 prints best on production colour presses. SYNAPS XM450 can only be used on specific production colour presses that can handle very thick substrates (MGI, Xerox iGen). See our printer compatibility overview on www.agfa.com/synaps.

2 Printing – Can I print SYNAPS XM on Xeikon equipment?

SYNAPS XM135, XM230 and XM300 was successfully tested and has been authorized by Xeikon HQ for Xeikon 8000 series QA-P (see https://www.xeikon.com/en/print-media for test reports and press settings).

3 Printing – Static charge build-up when printing SYNAPS XM.

Our SYNAPS XM is not static by itself but receives static charge when printed in xerographic devices. Standard paper is more easily discharged compared to synthetic substrates, this is logical.

We have had good results with leaving the stack of printed material for 30 minutes to 1 hour on an earthed (grounded) metal surface (e.g. metal table of guillotine cutting equipment). You will feel the difference when you try to align the stack or try to separate the sheets.

A higher environmental humidity will also help.

4 Printing - Can I use SYNAPS XM for UV flexo printing?

Yes. SYNAPS XM can be printed with UV flexo ink (UV lamp curing).

In case you need to print variable data onto the preprinted sheets on laser printer equipment, make sure the UV flexo ink is compatible with laser printer equipment (should not melt onto the fuser).

We recommend to not pre-prints areas that afterwards need to be printed with toner, as no guarantee can be given on print quality, nor on possible negative effects on the printer/copier engine.

5 Printing - Can I print Synaps XM on KIP or Ricoh poster printing devices?

No. SYNAPS XM is not compatible with KIP or Ricoh poster printing devices.

6 Printing - Can I print SYNAPS XM on HP Indigo presses?

No. SYNAPS XM is not compatible with HP Indigo presses. We recommend to use SYNAPS OM for printing on HP Indigo (certified by RIT for HP Indigo sheetfed presses).

7 Printing - Can I print SYNAPS XM in offset?

Offset pre-printing is possible but should be limited to single colour solids and/or 2-colour images. In case of 2-colour printing, total ink laydown should not exceed 100% (e.g. 30% cyan and 70% yellow is ok).

We recommend to use inks formulated for use in xerographic devices (laser ok inks). Please note that oxidative inks generally will have a stronger tendency to ink set-off.

Use ink densities as for uncoated paper, or lower. For black ink, do not exceed density 1.50.

For printing pantone colours or other spot colours, use the (pantone or spot) colour sample book for uncoated paper as a maximum density reference; print a somewhat lower density preferably.

Important ! Use SYNAPS XM make-ready sheets to adjust accurate ink/water balance and density. Print with minimum dampening level and ink film to achieve the recommended density. Do not use anti-set-off spray powder as it will contaminate the printer/copier engine. Limit printed stack height (maximum 10 cm) and air the stacks a few times after the ink has set to facilitate drying of the ink.

We recommend to not pre-print areas that afterwards need to be printed with toner, as no guarantee can be given on print quality, nor on possible negative effects on the printer/copier engine.

8 Printing - Can I print SYNAPS XM with UV inkjet?

Yes. Our experience is that the UV inkjet printing press operator has to find a good working point for printing UV inkjet on SYNAPS XM. Press settings depend on image coverage and type of inkjet printing press (and especially type of UV lamps).

To achieve a good working point, the operator has to 'play' with: UV-power, vacuum setting, roll tension, printing speed, ink layer (% image coverage).

To avoid waviness of the substrate, please advise the operator to set the UV-power just high enough to cure the ink. LED UV lamps or less prone for waviness of the substrate.

9 Printing - Can I print SYNAPS XM on latex inkjet printers?

Latex printing on SYNAPS XM is possible but you have to take following recommendations into account. Printing speed has to be slow (unidirectional printing in many passes) in order to avoid waviness of the substrate caused by too high drying settings. Heavy images are more prone to show these phenomena. You need to search for the best working point and test on beforehand for critical jobs.

10 Printing - Can I print SYNAPS XM on Riso duplicators?

No. SYNAPS XM is not compatible with Riso duplicator systems.

11 Printing - Can I print SYNAPS XM on Océ Colorwave printers?

No. The print result looks ok but the printed images are very sensitive for marking caused by guiding wheels of the printer. The printed images are also very scratch sensitive so we do not recommend to use SYNAPS XM on these type of presses.

12 Printing - Can I use SYNAPS XM on desktop inkjet printers?

No, SYNAPS XM is not compatible with desktop inkjet printers. The coating layer of SYNAPS XM rejects the water based ink.

13 Printing - Can I use SYNAPS XM for screen printing?

Yes. SYNAPS XM was tested successfully on UV screen printing presses.

14 Printing - Can I use SYNAPS XM on thermal transfer printers?

Yes. We successfully tested SYNAPS XM on a Thermaline T5000R thermal transfer printer equipped with a wax/resin ribbon.

15 Finishing - Can I cut SYNAPS XM on guillotine cutting machines?

Yes. The hardened steel cutting blade has to be sharp and clean for optimum cutting result. Don't cut lifts higher than 5cm (2 inches). The angle of the cutting blade is important. The sharper the angle of the blade, the cleaner the cut.

16 Finishing - Can SYNAPS XM be used for die cutting?

Use sharp hard steel blades with rounded inner corners. Avoid inside die-cuts less than or equal to 90 degrees. Keep retention points small and few to avoid tearing when you take away the waste material. The best results are obtained on cylinder type presses. Platen type presses are less suitable especially for complex die cut shapes. For die cutting the thickest SYNAPS XM gauges, you can consider to use dies for die cutting polycarbonate cards. These dies are very hard and produce the cleanest cuts.

17 Finishing - Can I cut SYNAPS XM on laser cutting equipment?

Yes. Laser cutting works well. The power of the cutting device needs to be adjusted according to the thickness of the substrate. Laser engraving is also possible on SYNAPS XM.

18 Finishing - Can I cut SYNAPS XM on rolling trimmers and cutting plotters?

Yes. Rolling trimmers and cutting plotters work well with the lighter versions of SYNAPS XM. Heavier versions may give problems, depending on the equipment used. Before you decide to use SYNAPS XM, a test is recommended.

Heavier versions of SYNAPS XM can be cut on flatbed cutting plotter devices as this type of equipment can cut thicker substrates.

19 Finishing - Can I drill SYNAPS XM with graphic drilling equipment?

Yes. Use sharp and clean drill bits. Drills have to be free of nicks. Use short dwell times during drilling to eliminate heat generation. Don't drill too high lifts. Recommended drills are steel drills coated with Teflon (to prevent sticking). If possible, lower the speed of the drills to prevent heat generation.

Intermediate spraying on the inside and the outside of the drill with 'dry silicone spray' or intermediate drilling in wax paper (lubrication inside the drill bits) will facilitate drilling and will extend the life and sharpness of the drill significantly.

The best results are obtained with drilling equipment that have drill bit lubrication and drill bit cooling.

20 Finishing - Can I fold SYNAPS XM on regular folding equipment?

The thinner versions of SYNAPS XM can be folded on a regular folding machine. Folding can be difficult, especially with the heavier versions of SYNAPS XM. Cross folding (superimposed or transverse fold) is not recommended for all gauges.

Scoring is recommended to obtain a tight fold with the heavier versions of SYNAPS XM. The ridge of the score should be on the outside of the fold.

Avoid folds that cause air entrapment, since SYNAPS XM is not permeable.

It is recommended to apply pressure after folding to keep the fold tight.

Important **!** Always do a folding test before deciding to use SYNAPS XM for a specific job!

21 Finishing - Can SYNAPS XM be laminated.

Yes. It is however important to know that not all laminates can be used to laminate dry toner printed images/substrates. The adhesion on the toner image can be poor if you do not use a dedicated laminate. We have very good experiences with GMP Perfex Gloss Ultrabond PT lamination film.

22 Finishing - Can I emboss SYNAPS XM?

Embossing on a cylinder press works well with all SYNAPS XM weights.

On a platen press the pressure and evenness of pressure can be a problem especially with thicker SYNAPS XM grades and more complex embossing forms. We recommend to use hardened embossing moulds. Before you decide to use SYNAPS XM for embossing, a test is strongly recommended.

23 Finishing - Can I use SYNAPS XM for ultrasonic welding?

No, SYNAPS XM is not suitable for ultrasonic welding.

24 Finishing - Can I use SYNAPS XM for book finishing?

SYNAPS XM is a perfect material for Wire-O, Unicoil-Spiral and comb binding. Use round holes to avoid tearing.
For book covers, we recommend applying a top coating on SYNAPS XM to avoid scratching or marking. For 'perfect binding' book covers, we recommend to use SYNAPS XM230. Thicker SYNAPS XM is prone to cause cover gapping at the book spine. As glue for perfect binding books, we recommend to use EVA or PUR glue. As there are differences in book finishing quality on perfect book binding equipment, we recommend to always do a binding test before deciding to use SYNAPS XM for a specific job!

25 Finishing - Can I finish printed SYNAPS XM with a UV varnish?

Yes. SYNAPS XM can be finished with an offline UV varnish coater.

26 Miscellaneous - Is SYNAPS XM writable?

Yes, SYNAPS XM is writable with ballpoint, fountain pen and pencil. When you use an alcohol or solvent based marker pen, the coating layer of SYNAPS XM can be dissolved certainly when you apply more streaks on the same spot. When you want to write and draw on SYNAPS XM with a marker pen, it is recommended to apply a UV coating layer on the surface first.
We also performed a test with a highlighter pen (text marker pen) on SYNAPS XM and we did not notice any dissolving of the coating layer.

27 Miscellaneous - Does the whiteness of SYNAPS XM change due to exposure to sunlight?

Yes. SYNAPS XM becomes slightly yellowish after prolonged exposure to sunlight. After this shift, the level of whiteness remains the same. Important: the SYNAPS XM coating layer stays intact and does not deteriorate.

28 Miscellaneous - Can I use SYNAPS XM for underwater applications?

Yes. Synaps XM is a perfect substrate for underwater applications.

29 Miscellaneous - Is SYNAPS XM available in sheets and rolls?

Yes. SYNAPS XM is available in sheets and rolls. Please check www.agfa.com/synaps for more information.

30 Miscellaneous - What are the recommendations for waste disposal of SYNAPS XM?

SYNAPS XM has plastic recycling code "7 - Other". SYNAPS XM is a polyester that is quite different from the type of polyester that is used for the production of PET bottles for instance. It can be recycled but post-print SYNAPS XM is to be treated as waste because the ecological cost of collecting and selecting the waste is higher than the ecological benefit. Regulations for waste disposal may differ per country so please consult the local regulations.

Fortakleen RC95

Heavy duty plate cleaner

Pro 6 x 1 Litre: **Art.code** P7NPV

Fortakleen RC95 is an acidic heavy duty abrasive emulsion plate cleaner, designed to clean positive and negative pre-sensitised aluminium plates when a stronger cleaner than the standard plate cleaner is required. It is especially suitable for use on baked positive plates. It will remove ink, scum and oxidation and at the same time improve the hydrophilic properties of the non-image areas. Fortakleen RC95 will provide protection during short press stops and is particularly effective as a starter for stored plates. Don't use on unbaked positive plates.

Working instructions

- Shake well before use.
- Apply Fortakleen RC95 directly onto the plate surface using a damp sponge or wipe applying sufficient pressure to remove any ink.
- Wash off with water or fountain solution before restarting the press or storing the plates to ensure best results.
- Fortakleen RC95 should not be left on the image area for a prolonged period without buffing down.

Remarks
- Excessive scrubbing could damage the image area.
- Should not be used on unbaked plates.

Main characteristics

- Suited for baked plates.
- High ink solvency for fast removal and cleaning of severely dried ink.
- Removes scum, oxidation and light scratch marks.
- Easy local application without spreading or running down the plate cylinder.
- Improves hydrophilic properties of the non-image area.
- Provides protection during press stops.

Physical properties (Concentrated solution)

Appearance	White emulsion
Flashpoint	> 100 °C
Density	1.08 kg/litre
Viscosity	370 - 600 mPas
pH (25°C)	1.1
VOC	14%
Aromatic free	✓
Ink solvency	Strong

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 18 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

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Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✗	✗	✗	✓	✗	✓	✗	✓	✗	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✗	✓	✗	✗	✗	✗	✗

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✗	✓	✓	✗	✓	✓

Fortakleen Ultra

Plate care

Strong heavy duty plate cleaner

Pro 6 x 1 Litre: **Art.code** PYKVX

Fortakleen Ultra is an acidic, pink coloured, heavy duty abrasive emulsion plate cleaner. Fortakleen Ultra is designed to clean positive and negative pre-sensitised aluminium plates when a stronger cleaner than our Fortakleen RC95 is required. It is especially suitable for use on baked positive plates. It will remove ink, scum and oxidation and at the same time improve the hydrophilic properties of the non-image areas. Fortakleen Ultra will provide protection during short press stops and is particularly effective as a starter for stored plates. Don't use on unbaked positive plates.

Working instructions

- Shake well before use.
- Apply Fortakleen Ultra directly onto the plate surface using a damp sponge or wipe applying sufficient pressure to remove any ink.
- Wash off with water or fountain solution before restarting the press or storing the plates to ensure best results.
- Fortakleen Ultra should not be left on the image area for a prolonged period without buffing down.

Remarks
- Excessive scrubbing could damage the image area.
- Should not be used on unbaked plates.
- Only treat localised area and ensure that all residues are removed before printing.

Main characteristics

- Suited for baked plates.
- High ink solvency for fast removal and cleaning of severely dried ink.
- Contains an abrasive component.
- Removes scum, oxidation and light scratch marks.
- Improves hydrophilic properties of the non-image area.

Physical properties (Concentrated solution)

Appearance	Pink emulsion
Flashpoint	64 °C
Density	0.94 kg/litre
Viscosity (20°C)	1000 - 1200 mPas
pH (25°C)	0.5
VOC	60%
Ink solvency	Strong

Safety
Read MSDS before using this product.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 18 months from date of manufacture.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

AGFA _Agfa_

STAY AHEAD. WITH AGFA GRAPHICS.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✘	✘	✘	✓	✘	✓	✘	✓	✘	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✘	✓	✘	✘	✘	✘	✘

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✘	✓	✓	✘	✓	✓

G101c

www.bciimage.com

866 971-1008

Technical infosheet

Description: G101c is a Graphic Black and White Rapid Acces Developer for Graphic Art applica tions, based on Hydrochinon an d Phenidone developing agentsin an alkaline envi ronment.

Applications: Used for Developing Recording-, Camera-, Contact films.

Used in combination with:

Replenisher: G101c

Fixers: Most Graphic fixers as there are: G333c

Using conditions: **Dilution:**   As a developer: 1 part G101c + 2 parts water
As a replenisher: 1 part G101c + 2 parts water

Developing time: 25s
Developing latitude   20 - 60s
Developing temperature: 35°C - 95°F

Replenishment: *based on at least one tank turnover per week !

	ml/m²	cc/sqin
15% exposed	100E	0.06*
50% exposed	200E	0.12*
85% exposed	350E	0.23*

Storage conditions: always store G101c in an frost-free and dry environment. Freezing can cause pre cipitation

Shelf life: 36 months after manufacturing

Physical properties: Specific weight concentrate : 1.241
                   1+2 dilution: 1.092
         pH   concentrate : 10.85
                  1 +2dilution: 10.5

Sales packaging:

	ABC code	Packaging	Dilution
World ass.	EMZLE	4 x 5 l jc	5 l makes 15 litres
World ass.	EKB8G	1 x 10 l (stack.jc)	10 l makes 30 litres
World ass.	4NZNE	2 x 200 l (container)	400 l makes 1200 litres

Precautions: avoid contact with skin. After contact rince thouroughly with water.
        Read the MSDS (Material Safety Data Sheet)

G333c

1. Technical infosheet

Description: G333c is a Graphic Rapid Solid Fixer based on Ammonium Thiosulfate in an Acid solution.

Applications: Used for fixing op Recording-, Camera-, Contact films.

Used in combination with:
Replenisher: G333c
Developers: Most Graphic developers as there are: G101c, ACD, ASD.

Using conditions: Dilution:
As a fixer solution: 1 part G333p + 4 parts Water makes 25 litres
As a fixer replenisher: 1 part G333p + 4 parts Water makes 25 litres
Fixing time: depending of film material and fixer condition between 8 and 20s.
Fixing temperature: 30 to 35°C / 86 to 95°F

Replenishment:

Material	Without electrolytic treatment			With electrolytic treatment		
	Positive	50%bl	Neg	Pos	50%Bl	Neg
FILM Á	850	500	150	210	125	100

Storage conditions: always store G333c in an frost-free and dry environment. Frozen chemistry can lead to precipitation

Shelf life: 36 months after manufacturing

Physical properties: Specific weight: concentrate : 1.347
diluted: 1.087
pH: concentrated: 5.3
diluted: 5.3
pH: disolverd: 5.3

Sales packaging: :

chemistry	ABC code	Packaging	Dilution
G333c	EGCQT	4x 5 l	5 l makes 25 l
G333c	HXXEW	1 x 20 l	20 l makes 100 l
G333c	EKB9J	1 x 10 l	10 l makes 50 l
G333c	4NZMC	2 x 200 l	400 l makes 2000 l.

Precautions: avoid contact with skin. After contact rince thouroughly with water.
Read the MSDS (Material Safety Data Sheet)

G333p

1. Technical infosheet

Description: G333p is a Graphic Rapid Solid Fixer based on Ammonium Thiosulfate in an Acid solution.

Applications: Used for fixing op Recording-, Camera-, Contact films

Used in combination with:
      Replenisher: G333p
      Developers: Most Graphic developers as there are: G101c, ACD, ASD

Using conditions: **Dilution:** (mixing device necessary)
          As a fixer solution: 1 pack G333p makes 20 litres
          As a fixer replenisher: 1 pack G333p makes 20 litres
  Fixing time: depending of film material and fixer condition between 8 and 20s.
  Fixing temperature: 30 to 35°C / 86 to 95°F

Replenishment:

Material	Without electrolytic treatment			With electrolytic treatment		
	Positive	50%bl	Neg	Pos	50%Bl	Neg
FILM	850	500	150	210	125	100

Storage conditions: always store G333p in an frost-free and dry environment.

Shelf life: 36 months after manufacturing

Physical properties: Specific weight: 160.65 grams product per liter/ 3213 grams /20 liters (=1 pack)
          pH: disolverd: 5.3

Sales packaging: :

chemistry	ABC code	Packaging	Dilution
G333p	EV8V5	5 pack for x 20 l (total 100 l)	1 pack makes 20 litres

Flap bags can be used in AgfaSolid "tilting trays".

Precautions: avoid contact with skin. After contact rince thouroughly with water.
        Read the MSDS (Material Safety Data Sheet)

Technical infosheet G4500c

Description: G4500c is a Graphic concentrated developer tank cleaner.
It is Ecological approved an contains no toxic ingreadienst.

Applications: Used for all graphic developer tanks, especially designed for Silver deposid remov
ing.

Used in combination with:
  Developers: Most Graphic developers as there are: ACD, ASD and G101c.

Using conditions: **Dilution: 5 liter part A and 5 liter part 6 together k]ʰ\ &0 ʰc¨ $ litres water**

  Working temperature: 35°C : 95 °F

Storage conditions: always store G4500c in an frost-free environment. Precipitation will occur if the
solution has been frozen.

Disposing: Concentrate or used G4500c solution can be disposed together with the waste
fixer.

Shelf life: 30 months after manufacturing ´fċdYbYX`VcⁿʰỳYg´a i gⁿVY¨i gYX´k]ʰ\ ]b´%ⁿʸUʰ

Sales packaging:

Chemistry	ABC code	Packaging	Dilution
G4500c	4NLNP	1 x 5l A /1 x 5l B	5l A + 5l B makes 30 to 40 l

Precautions: avoid contact with skin. After contact rince thouroughly with water.
  Read the MSDS (Material Safety Data Sheet)

User instruction:

1. Empty the dirty developer tank and rinse with a little water.
2. Leave the rack in the tank and fill the tank with 2,5 liter part A + 10 liter water and 2,5 liter part B per 15 to 20 liters depending on tankcapacity.
Top with water.
3. Let the processor run for 30 to 60 minutes at the normal working temperature. (min. 35°C).
4. Drain the solution into the waste fixer.
5. Rinse sincerely and close the tank.
6. Fill the tank with tap water and let run for 5 minutes.
7. Empty the tank in the waste fixer..
8. Rinse carefully, make the circulation pump run for a minute or so.
9. Repeat step 6 once more. If not you risk to damage the developer when refilling.
10. Refill the developer.

InkStripper Plus

Specialities

Ink stripping solvent

Pro 4 x 5 litres: **Art.code** PYNNT

InkStripper Plus is a powerful solvent designed to quickly remove hardened conventional ink and coating deposits from blanket and rollers.

Working instructions

- Use with care and in a well ventilated area
- Do not allow the product to remain in contact with the rubber compounds for excessive periods of time.
- Apply InkStripper Plus with a dry lint free cloth over the entire surface to be cleaned
- After removing the ink film, wipe away any excess with a damp cloth.
- Let it dry.

Remark

It is important not to allow the solution to come in contact with the printing plate surface.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa plate compatibility

InkStripper Plus may NOT come in contact with the printing plate surface.

Main characteristics

- Very powerful cleaner.
- Excellent ink solvency.
- Rapid Cleaning of all hardened conventional ink & coating residues.
- Leaves no residual film.

Properties

Chemical	Appearance	Colourless
	Classification	A I
	Flashpoint	15 °C
	Density (25°C)	0,845 kg/Litre
	VOC content	100%
Application	Ink solvency	Strong
	Drying speed	Very Fast
	Water miscible	No
	Automatic wash	No

AGFA

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:Jeti Mira

The true flatbed Jeti Mira is a six-color and white UV-inkjet printer that offers you impressive print quality and productivity (printing speed up to 206 m²/hr), but most of all versatility. The dockable roll-to-roll option enables printing on a wide variety of flexible media.

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A versatile printing solution

The Jeti Mira is a true flatbed printer, ruggedly built and available in two table versions. The precise moving-gantry architecture is specifically designed to offer optimal flexibility and high-quality printing on a variety of different media.

Driven by Asanti workflow technology and optimized to work with Agfa's high-pigmented UV-inks, the Jeti Mira is perfectly suited to the quality, productivity and versatility demands of mid to high-end sign and display printers.
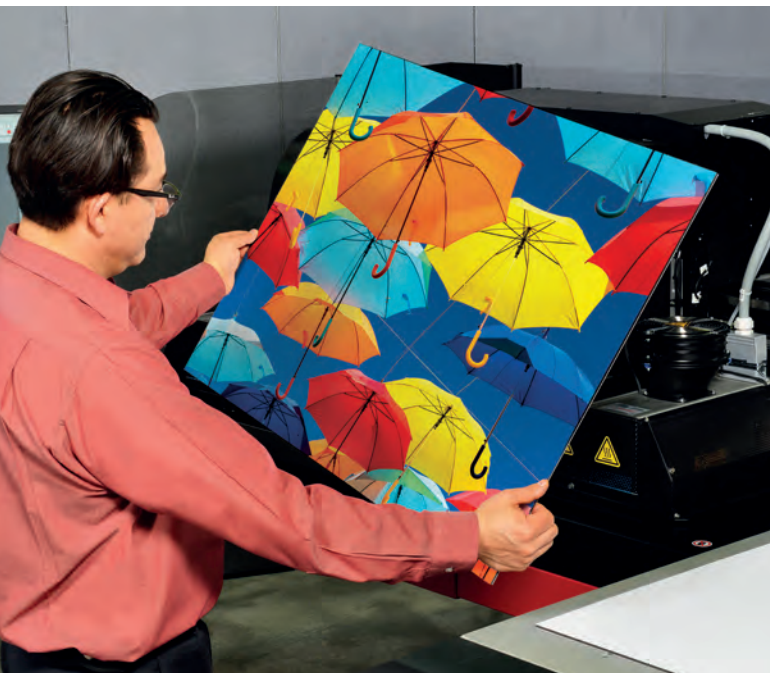
A true flatbed

The Jeti Mira is a true moving-gantry flatbed printer, highly reliable and incredibly versatile. It is available with a table depth of either 1.6 m or 3.2 m against a width of 2.69 m – wide enough for the broadest jobs. The precise moving-gantry architecture is specifically designed to offer optimal flexibility and high-quality printing on a wide variety of both rigid and flexible substrates. Whatever type of jobs comes in, the Jeti Mira will be able to handle it.

As versatility is the key word with the Jeti Mira, you can also run a roll-to-roll system with the printer. The rails of the gantry extend to accommodate the roll-to-roll system.

While the Jeti Mira S is equipped with one row of print heads, the Jeti Mira HS has two rows, offering even higher productivity. Under the hood are the latest generation of fast-firing inkjet print heads, the Ricoh Gen5.

In-house decoration

Print & Prepare mode for enhanced productivity

'Print & Prepare' mode

Reduce your downtime and increase productivity. The Jeti Mira features Agfa Graphics' 'Print & Prepare' mode, allowing you to load one side of the table while the other is printing. It's perfect for large boards. It's perfect for smaller boards or objects. It's perfect for double-sided images too.

Roll-to-roll system

This is a printer designed with versatility in mind. As such, the Jeti Mira can accommodate a super-efficient roll-to-roll system. It attaches immediately in front of the flat bed table, reducing the distance the media needs to travel and further decreasing the chance of skewing while improving accuracy on the y-axis. The roll-to-roll system minimizes waste, is upgradable and fits in perfectly with the movable gantry. You can detach it to keep it out of your way when performing rigid jobs.

An optional built-in camera automatically detects registration marks to ensure accurate front-to-back printing for both backlit and block-out applications.

Industry-leading quality

Agfa Graphics is renowned for developing ground-breaking graphic and printing equipment. As well as its cutting-edge flatbed features, the Jeti Mira incorporates highly advanced printing technology. It offers you the benefits of the Jeti GUI system and uses Asanti technology to manage your workflow and optimize content delivery to the printer. The result? Mira produces outstanding quality in six colors with or without white and/or varnish. The 7pl droplet size produces stunning detail and razor-sharp text even in something as small as 4-point type, both positive and negative. The six color set-up, further enhanced by intelligent gradient and masking technology, guarantees smooth tonal reproduction.

Up and running

No need to worry about downtime. The Jeti Mira has a robust build suitable for the demands of a heavy workload. The print heads are temperature-controlled to ensure your ink hits your media at the right temperature – and to discourage blockages and clogs from forming. And service and maintenance of the print heads is as simple as can be with easy access to the shuttle.

Experienced worldwide service footprint

If you have a question or encounter a problem, our team of experienced service technicians will be there to assist you. Wherever, whenever. The Jeti Mira is even remotely accessible for support and maintenance.

Small object printing

In-store communications – backlit

Jeti Mira.
Impressive features.

Shuttle is standard equipped with anti-static bar, auto head height adjustment and shuttle safety sensors

A TRUE MOVING-GANTRY FLATBED. Sturdy, reliable and versatile.

INDUSTRY-LEADING QUALITY. Outstanding quality in a six color set-up (CMYKLcLm) plus white and/or varnish. The 7pl (color) droplet size produces stunning detail and razor-sharp text as small as 4-point type.

SIX VACUUM ZONES. No curling or skewing. Media will stay perfectly flat when printing. Automatic and independent control of the six different zones. Once the printing is complete, the reverse-vacuum assist option makes it easy to remove the media.

'PRINT & PREPARE' MODE. Load one side of the table while the other is printing to increase productivity.

MULTIPLE MEDIA. Print high-quality images on virtually anything in the blink of an eye.

A SET OF REGISTRATION PINS ON EVERY CORNER. Guarantees a precise positioning of the substrate, even when it comes to double-sided printing or media not cut to perfection. The pins are operable electronically through the user interface or from a conveniently located set of activation buttons at each of the four corners.

ROLL-TO-ROLL SYSTEM. Optional field-upgradable solution for rolls up to 2.05 m (80″) wide. Directly attached to the end of the printer, with the gantry transported right over it. The small transport distance minimizes media waste and heightens accuracy.

OPTIONAL BUILT-IN CAMERA. To ensure perfect registration for backlit or block-out applications.

ADVANCED GUI DESIGN. The industry-renowned intuitive GUI of our Jeti wide-format inkjet printers provides the ultimate in functionality: cropping, rotating, auto-nesting, scaling, stepping, saving job parameters for reprints etc.

POWERED BY ASANTI. The Jeti Mira is by default delivered with Asanti Render and designed to integrate with the full Asanti workflow, while also being open to third-party RIPs.
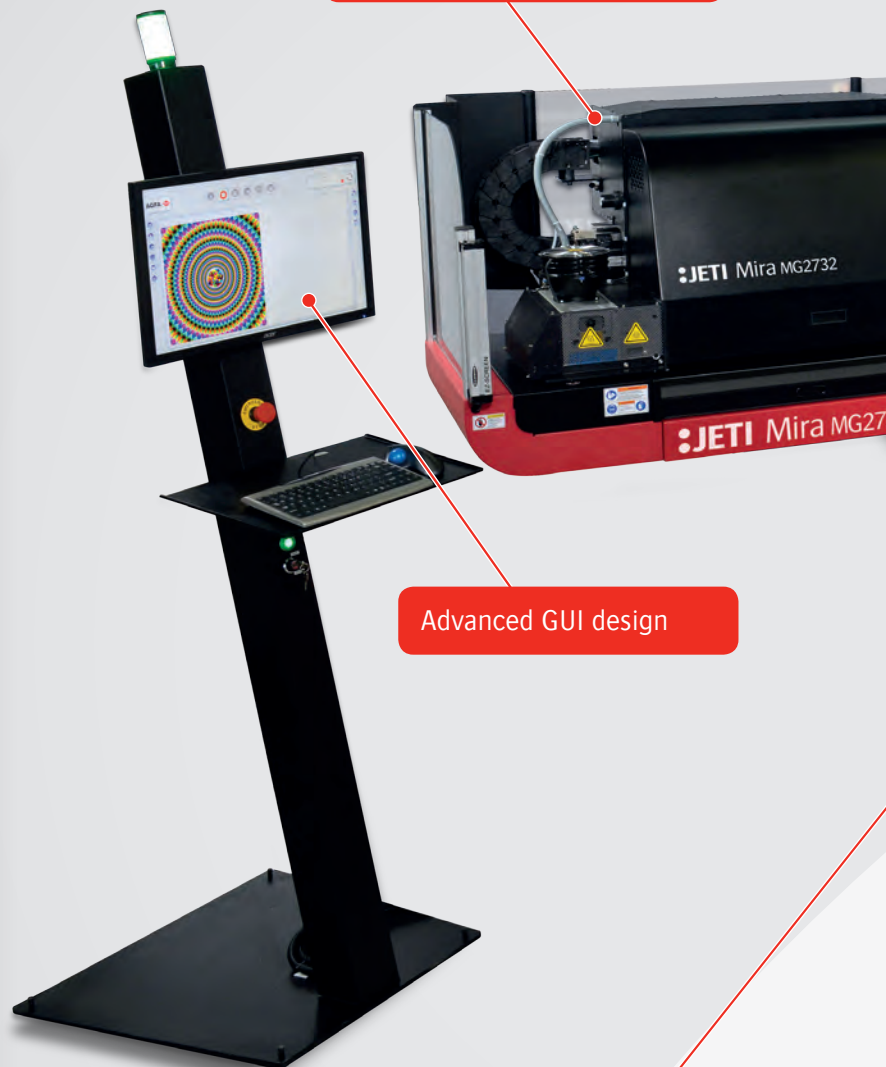
Advanced GUI design

Registration pins for complete accuracy on every corner
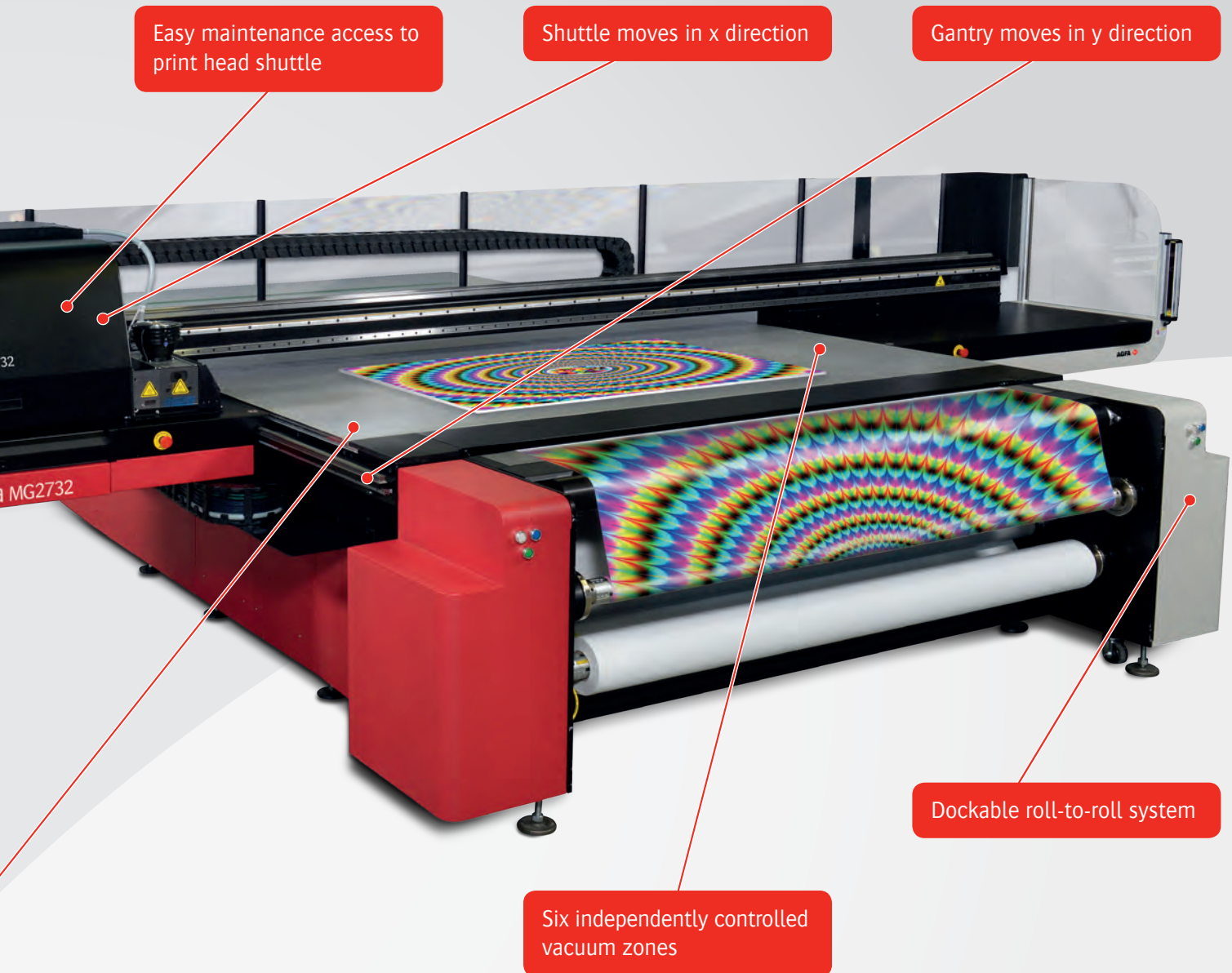
Easy maintenance access to print head shuttle

Shuttle moves in x direction

Gantry moves in y direction

Dockable roll-to-roll system

Six independently controlled vacuum zones

Vivid colors

BEST-IN-CLASS AGFA-MADE INKS: The widest color gamut at the lowest consumption rates with excellent level of adhesion and short curing time. Suited for all kinds of indoor and outdoor applications, flexible or rigid, coated or uncoated.

ADVANCED WHITE AND WHITE INK MANAGEMENT: For pre- and post-white printing in either spot or fill applications. Even for pre-white printing on rolls. Constant recirculation flow of the white ink to avoid blockages or clogging.

PRIMER OPTION: For even better adhesion and durability on difficult substrates.

VARNISH OPTION: Add dramatic effect to your print jobs using spot varnish.

Wide range of applications

The Jeti Mira will print virtually everything: Banners, posters, signage (traffic, industrial info...), exhibit graphics, POP, mock-ups, back-lit, front lit, self-adhesives (labels). Also niche applications: DVDs, wood, art reproductions, personalized object printing (e.g. mouse mats), party gadgets, architectural and interior decoration, lenticular printing...

Vivid colors, high performance

Best-in-class Agfa-made inks: wide gamut, low consumption levels

Agfa Graphics' UV-inks deliver fast curing, a wide color gamut and high color vibrancy for the most demanding wide-format indoor and outdoor applications. Providing very good adhesion on difficult substrates, these inks – both white and color – are the best choice for a wide range of applications, offering high image longevity and outdoor resistance. On top of that, our inks are extremely jetting-reliable, delivering the same high-quality results batch after batch.

Thin ink technology for vivid prints at a low cost

Thanks to the high-pigment load, the ink consumption per square meter is low. This so-called 'thin ink layer' pigment dispersion technology saves costs and results in nicer look-ing prints. Agfa's inks deliver the highest quality prints with the lowest ink consumption per square meter in the industry.

Powered by dedicated Asanti wide-format workflow software

The Jeti Mira is driven by the Asanti workflow software. It takes control of the entire process, from prepress to production and finishing. And along the way, it simplifies, optimizes and automates as many steps as possible. This leaves you with a high-performing solution, and increased productivity.

Asanti's comprehensive integration of file handling, color management and preflighting also means that your jobs will be error-free and ready to send to wide-format output devices. In other words: no more mistakes, no more stress, no more loss of time.

Asanti is completed by Asanti StoreFront, a web-to-print solution that enables you to manage online stores and process print orders automatically.

Easily accessible ink containers

Advanced white printing and white ink management

Printing on backlit media? Are you in need of an opaque white background? The Jeti Mira prints white in multiple modes (e.g. pre-white, post-white, sandwich) on rigid media and even does pre-white printing on roll media. Thanks to its stirring functionality, the Jeti Mira ensures the white ink in the bulk tank is in motion at all times. There are also constant recirculation flows along the ink lines, all the way to the temperature-controlled printer heads, to ensure there is no chance of ink resettling and lines becoming blocked or clogged.

Primer option

Difficult substrates such as polypropylene, PMMA/acrylic, polystyrene etc. can pose adhesion and durability challenges in inkjet printing. With the primer option, primer can be quickly laid down to create excellent surface tension for better results, either as a 'fill' (the whole area) or 'mask' (printed areas only). The UV-cured primer formulation is specifically designed for optimal results with the Ricoh Gen5 heads. And as the primer is applied in low-coverage percentages, it hardly influences the cost per square meter produced output.

Varnish option

If you are looking for extra means of adding value and differentiating yourself from competitors, varnish is a perfect opportunity. Used as 'spot' varnish, it can add dramatic effects to many applications including POP displays, packaging, decorative prints, trade show graphics etc. Agfa Graphics' specially formulated UV-curable varnish is compatible with almost all standard UV-printing media and cures to a perfect sheen in gloss, or with a semi-gloss effect. This varnish option comes factory installed.

In-house decoration – dibond

In-house decoration – paper and wood

⁞ Jeti Mira MG2716 S/HS   ⁞ Jeti Mira MG2732 S/HS

Media & Printing Specifications

Rigid media

Maximum width		2.69 m (8.82 ft)
Maximum length	1.6 m (5.24 ft)	3.2 m (10.49 ft)
Minimum size		2.54 cm x 2.54 cm
Thickness		Min. 1 mm (40 mil) - max. 50 mm (1.97″)
Maximum weight		37 kg/m² (7.57 lb/ft²)
Borderless printing	Up to 2.69 m x 1.59 m (8.82 ft x 5.21 ft)	Up to 2.69 m x 3.19 m (8.82 ft x 10.46 ft)
Flexible media		Flexible media
Maximum width		2.05 m (6.72 ft)
Maximum length		Depends on total roll weight
Thickness		Max. 3 mm
Maximum weight		100 kg (220 lb)
Maximum roll outside diameter		305 mm (12″)
Borderless printing flexible media		Up to 2.05 m (6.72 ft)

Productivity

Draft mode	S - 103 m²/hr (1,109 ft²/hr)
	HS - 206 m²/hr (2,217 ft²/hr)
Express mode	S - 67 m²/hr (721 ft²/hr)
	HS - 134 m²/hr (1,442 ft²/hr)
Production mode	S - 34.5 m²/hr (371 ft²/hr)
	HS - 69 m²/hr (742 ft²/hr)
Standard mode	S - 23 m²/hr (247 ft²/hr)
	HS - 46 m²/hr (495 ft²/hr)
High-quality mode	S - 17.5 m²/hr (188 ft²/hr)
	HS - 35 m²/hr (377 ft²/hr)
High-definition	S - 16 m²/hr (172 ft²/hr)
	HS - 32 m²/hr (344 ft²/hr)

Media

Media types	Reinforced vinyl, pressure-sensitive vinyl, canvas, fabrics, foam board, corrugated board, lenticular, tile, drywall, glass, sheet metal, paper and more

Print Heads & Inks

Print heads	Piezoelectric Ricoh Gen5
Ink	CMYKLcLm
	White
	Inks shelf life is 1 year

Image & Text Quality

Prints high quality	Up to 720 x 1200 dpi
Text quality	4 point

Engine Dimensions & Weight

Flatbed printer dimensions (H x W x L)	1.63 m x 6.25 m x 2.54 m (5.33 ft x 20.5 ft x 8.33 ft)	1.63 m x 6.25 m x 4.4 m (5.33 ft x 20.5 ft x 14.4 ft)
Flatbed printer with roll-to-roll unit dimensions (H x W x L)	1.63 m x 6.25 m x 3.05 m (5.33 ft x 20.5 ft x 10 ft)	1.63 m x 6.25 m x 4.9 m (5.33 ft x 20.5 ft x 16 ft)
Flatbed printer weight	2776 kg (6120 lb)	3456 kg (7620 lb)
Flatbed printer with roll-to-roll unit weight	3721 kg (8203 lb)	4401 kg (9703 lb)

Electricity & Compressed Air

Electricity	400Y / 230V, 3-phase 50/60 Hz
	25 KVA (34A)
Compressed air	5 cfm continuous air at 100-150 psi
	(8.3 m³/hr at 6.9-10.3 bar).

System Integration RIP / Workflow software

Asanti, third-party rips

AGFA
STAY AHEAD. WITH AGFA GRAPHICS.

EXTREMELY VIVID PRINTING

:Jeti Tauro

The Jeti Tauro is a 2.5-meter wide high-end hybrid six-color plus white or primer UV-inkjet printer. Featuring extremely vivid printing, printing speeds up to 275 m² per hour and multiple automation options, it sets new print quality and productivity standards on all kinds of media.

AGFA *Agfa*

STAY AHEAD. WITH AGFA GRAPHICS.

For impressive colors, detail and productivity

The Jeti Tauro is a hybrid printer, featuring media tables as well as an integrated roll-to-roll system. Driven by Asanti workflow technology and optimized to work with Agfa's high-pigmented UV-inks, every aspect of the Jeti Tauro is perfectly suited to the quality and productivity demands of high-end sign and display printers.

High-end hybrid printer

The Jeti Tauro is a true hybrid printer, featuring media tables as well as an integrated roll-to-roll system. It accommodates rigid media as diverse as cardboards, foam board, composite aluminum, and PMMA, as well as rolled flexible substrates such as backlit film, UV-curable textiles, paper, PVC banners, mesh (with linear) and vinyl. The Jeti Tauro produces high-quality results on these materials, whether for indoor or outdoor applications. It prints to widths as great as 2.54 meters and can accommodate rigid media up to 4 meters in length.

Superior print quality

The high-quality print heads of the Jeti Tauro are equally divided over eight color bars. Accurate dot positioning is achieved thanks to the precise mechanical mounting of the heads, as well as smart drop formation and velocity control.
Agfa Graphics' matched component approach guarantees that the UV-curing dose is perfectly tuned to the UV-ink sensitivity, preventing unwanted imaging artefacts due to under- or over-ink fixation. The use of sophisticated gradient and masking algorithms results in outstanding print quality in all modes.

Outstanding productivity

The Jeti Tauro achieves high productivity levels thanks to the print shuttle consisting of 32 fast-firing Ricoh Gen5 heads, each with four nozzle rows for two colors per head. Agfa's fast-curing inks and dedicated wave form are designed to work in perfect harmony with these print heads, resulting in high productivity levels while maintaining superior quality.
24 print heads print color, while eight heads are dedicated to white and/or primer printing. The latter make it possible to print pre- and post-white, spot white, sandwich white, or they can also be used for primers when the media requires it. Once the ink is on your media, two UV-curing lamps ensure it cures instantly.
The Asanti workflow solution integrates and enhances all processes from pre-press to operation of the Jeti Tauro printer and even to a comprehensive web-to-print solution if required. As such, it removes the disadvantages that come with the implementation of a variety of different tools and reduces costs while saving time.

True hybrid printer, featuring media tables as well as roll-to-roll for high productivity
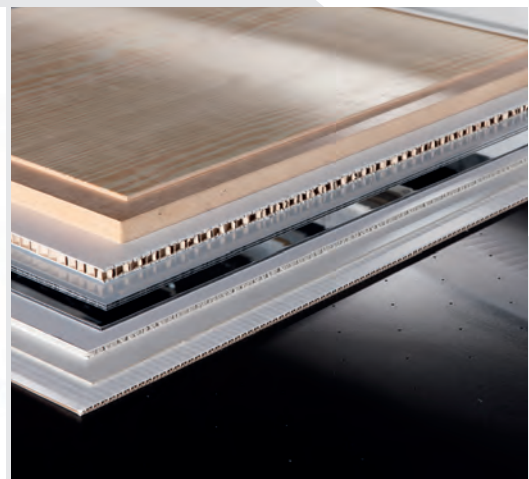
Printing on a wide variety of media

Automation

The Jeti Tauro comes standard with manual media loading tables, which are perfect for smaller runs. However, it can be upgraded with a semi-automated board feeder and stacker, reducing idle time and increasing production efficiency. Depending on the media size, this results in productivity gains of more than 30%. Parallel board printing will boost productivity even further.

Production efficiency is also enhanced by the integrated Asanti workflow software, characterized by fast image rendering and precise color management. The media database saves time by remembering the system settings specific to different media.

Reliability

The Jeti Tauro features a robust build, perfect to cope with extreme workloads and 24/7 printing schedules. The vacuum-belt drive features excellent motion control for extreme dot positioning accuracy no matter what media has been loaded. The realities of uneven substrates are acknowledged with shuttle safety sensors that stop collisions, reducing potential downtime and printing errors. The Jeti Tauro is standard equipped with an antistatic device to eliminate static charges which negatively impact dot positioning accuracy.

Up and running

Being built for continuous use means the Jeti Tauro also has features to reduce downtime. After powering on the system, it is ready to print within minutes, including the time required to perform a daily quality check. Thanks to the outstanding latency behavior of the inks, open head time and jetting reliability are best in class.

Moreover, the Jeti Tauro is designed for easy maintenance, taking into account system ergonomics and operator convenience.

Experienced worldwide service footprint

If you have a question or encounter a problem, our team of experienced service technicians will be there to assist you. Wherever, whenever. The Jeti Tauro is even remotely accessible for support and maintenance.

Outstanding print quality on backlit applications
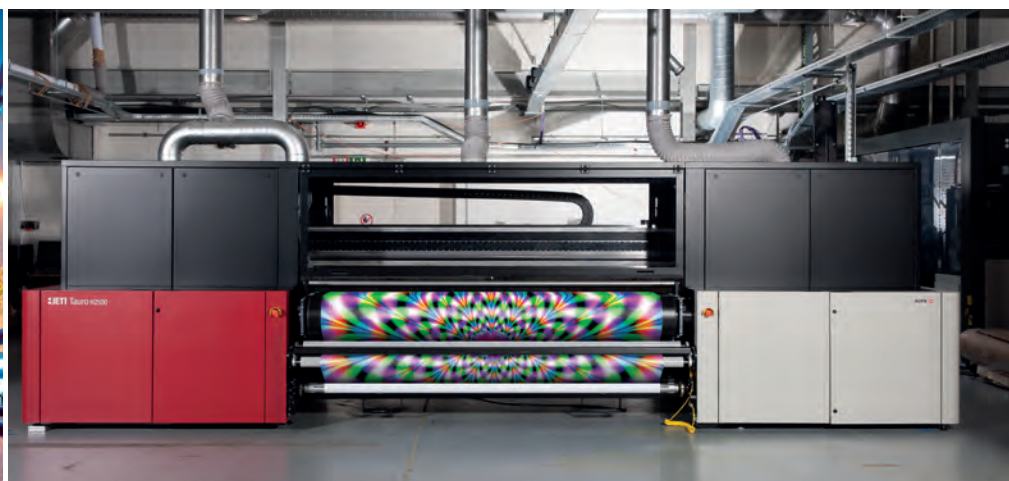
Roll-to-roll standard on board

Jeti Tauro. Impressive features.

HYBRID UV-INKJET PRINTER. Reliable, top-quality and highly productive printing on both rigid and roll-to-roll media.

INDUSTRY-LEADING QUALITY. 32 Gen5 printing heads deliver outstanding image quality in a six color set-up (4x CMYKLcLm), with optional white and primer. The 7 pl (color) droplet size produces powerful, vibrant color shades and razor-sharp text as small as 4-point type.

GLOSS AND SATIN MODES. Possible without image quality loss or extra ink usage. In high-definition gloss or satin mode the system reaches a much larger color gamut and enables enhanced spot color reproduction.

PARALLEL BOARD PRINTING. Print multiple boards next to each other to boost productivity.

SEMI-AUTOMATED BOARD FEEDER (option). Reduce idle time and increase production efficiency.

DYNAMIC VACUUM CONTROL. Maintaining constant vacuum pressure in function of the belt coverage to assure the accurate slow-scan stepping.

ADVANCED GUI DESIGN. The Asanti GUI works with improved visualization of the job layout and positioning: operators can see exactly what they are printing. The GUI offers access to key print parameters to make sure any last minute changes are quick and easy to apply.

POWERED BY ASANTI. The Jeti Tauro is by default delivered with Asanti and designed to integrate with the full Asanti workflow, while also being open to third-party RIPs.

Shuttle is standard equipped with anti-static bar and shuttle safety sensors.

Easy maintenance access to print head shuttle.

Advanced GUI design.

Pedal.
Operates the vacuum table, the roll bars and starts and stops printing.

Vivid inks with the widest color gamut at the lowest consumption rates.

Welded steel constructed beam. With aligned rails, encoder strip, linear motors and hydraulic dampers to allow flawless movement and perfect positioning of the print head shuttle.

Vacuum belt drive system with state-of-the-art motion control. Guarantees highly precise dot positioning and accurate media transport.

Wide range of applications.

The versatile Jeti Tauro will print on virtually everything: Banners, posters, signage (traffic, industrial info...), exhibit graphics, POP, mock-ups, back-lit, front lit, self-adhesives (labels). Also niche applications: wood, art reproductions, party gadgets, architectural and interior decoration, ceramics printing, lenticular printing...

Vivid colors

BEST-IN-CLASS AGFA-MADE INKS. The widest color gamut at the lowest consumption rates, with excellent level of adhesion and short curing time. Suited for all kinds of indoor and outdoor applications, flexible or rigid, coated or uncoated.

ADVANCED WHITE AND WHITE INK MANAGEMENT. For pre- and post-white printing in either spots or fills. Even for pre-white printing on rolls. Constant recirculation flow of the white ink avoids blockages or clogging.

PRIMER OPTION. (factory-installed) For even better adhesion and durability on difficult substrates.

CLEAN AND ERGONOMIC INK SUPPLY SYSTEM. 8-liter containers per color. The RFID system ensures the correct ink supply to the print shuttle.

Driven by Asanti workflow software

The Jeti Tauro is enhanced when it is part of a full system from Agfa. The smart and user-friendly Asanti software streamlines workflow by dramatically reducing the margin for error and shortening pre-press procedures. It simplifies not just the printing process, but the entire business process, delivering maximum productivity.

Accuracy and consistency

The huge variety of file types to be handled significantly slows down the processing of print jobs and often leads to errors. These difficulties are overcome with the Asanti software. As the print settings for different media are stored in a database, Asanti is able to quickly call up the appropriate specifications and apply them. Rendering, image and color quality are automated, and Asanti checks files prior to printing, ensuring layers and transparency have been handled correctly, while flagging potential issues. By dramatically simplifying the task of the operator, reducing idle time and efficiently catching issues prior to printing, turnaround is reduced and productivity is increased.

New GUI

The Asanti GUI works with improved visualization of the job layout and positioning: operators can see exactly what they are printing. Extra accuracy is provided through the bi-directional communication with the Jeti Tauro printer. All the necessary production parameters that were specified during job preparation are picked up by the engine, thus avoiding potential mismatches between file preparation and output. The GUI offers access to

key print parameters to make sure any last minute changes are quick and easy to apply. Print progress and even printing time estimations are provided. This complements the autonomy of the machine beautifully, ensuring operators are not tied to the printer when other tasks demand their attention.

Asanti StoreFront

Asanti StoreFront, a comprehensive web-to-print service, is designed to handle incoming orders from the internet. Automated payment processing and error-free print preparation ensure new jobs are ready for printing in no time and with a minimum of operator intervention.

Asanti StoreFront web-to-print software
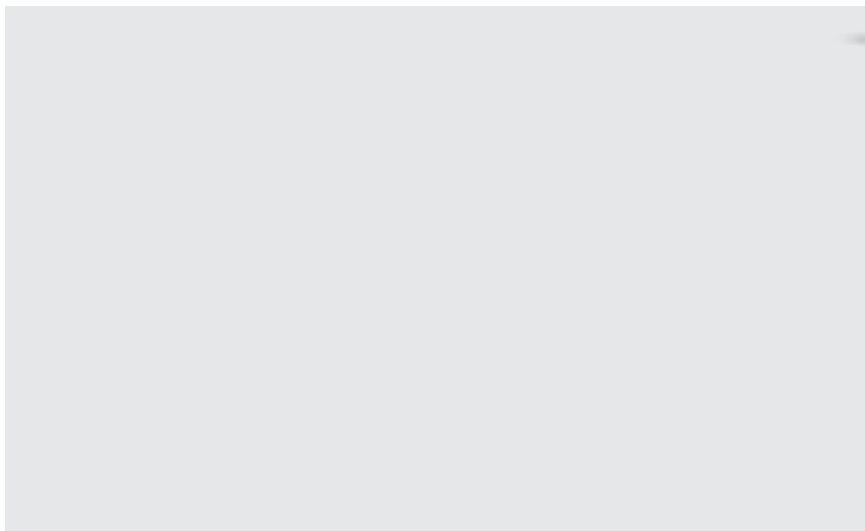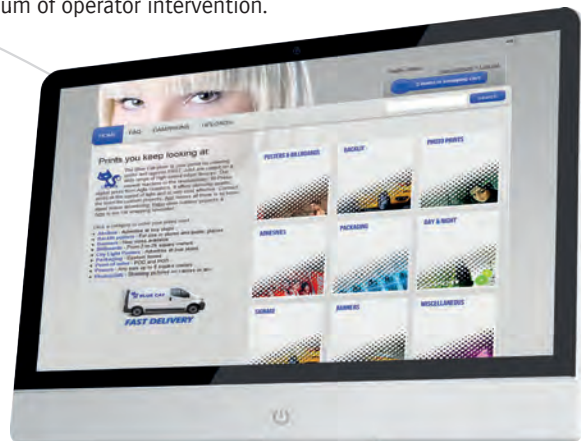
Asanti: more than just a RIP

Point of sales applications – Impressive color gamut

Vivid printing with top-quality inks

The Jeti Tauro is designed for use with top-quality UV-curable inks from Agfa Graphics, which deliver fast curing, a wide color gamut and high color vibrancy for the most demanding wide-format indoor and outdoor applications. Offering very good adhesion on difficult substrates, these inks – both white and color – are the best choice for a wide range of applications, offering high image longevity and outdoor resistance. On top of that, our inks jet with extreme reliability, delivering the same high-quality results batch after batch.

Thin ink technology for nicer prints at a low cost

Thanks to the high-pigment load, the ink consumption per square meter is low. This so-called 'thin ink layer' pigment dispersion technology saves costs and results in nicer looking prints. Agfa's inks deliver the highest quality prints with the lowest ink consumption per square meter in the industry.

Advanced white printing and ink management

The Jeti Tauro prints white in multiple modes (e.g. pre-white, post-white, sandwich) on rigid media and even does pre-white printing on roll media. The stirring functionality ensures the white ink in the bulk tank is in motion at all times. There are also constant recirculation flows along the ink lines, all the way to the temperature-controlled printer heads, so that there is no chance of ink resettling and lines becoming blocked or clogged.

Outdoor durability

The Jeti Tauro supports the use of three dedicated Agfa Graphics ink sets. Standard, it comes with Anuvia HDC inks, which cover a very wide application scope. For long-term outdoor applications, where the focus lies on durability and weather-resistance, Agfa Graphics offers a dedicated set of inks. The same goes for flexible applications with a stretch factor of more than hundred percent.

Primer option

Difficult substrates such as polypropylene, PMMA/acrylic or polystyrene can pose adhesion and durability challenges in inkjet printing. With the primer option, primer can be quickly applied to create excellent surface tension for better results, either as a 'fill' (the whole area) or 'mask' (printed areas only). The UV-cured primer formulation is specifically designed for optimal results with the Ricoh Gen5 heads on the Jeti Tauro. And as the primer is applied in low-coverage percentages, it hardly influences the cost per square meter produced output.

High-pigment inks for thin ink layers

Dedicated inks for in- and outdoor applications

:Jeti Tauro H2500

Models

The Jeti Tauro printer comes in four configurations, depending on the applications that you run.

Jeti Tauro H2500 6C − 6 colors (24 heads)	
Jeti Tauro H2500 6C W4 − 6 colors and white (28 heads)	
Jeti Tauro H2500 6C W8 − 6 colors and white (32 heads)	
Jeti Tauro H2500 6C W4 P2 − 6 colors, white and primer (30 heads)	

Media & Printing Specifications

Rigid media

Maximum width	2.54 m (100″ or 8.33 ft)
Maximum length	4.0 m (157.5″ or 13.1 ft)
Minimum size	DIN A3, 29.7 x 42 cm (11.7 x 16.1″)
Thickness	Min. 0.2 cm (80 mil) - max. 5 cm (1.97″)
Maximum weight	10 kg/m², with a maximum of 60 kg evenly distributed over the table
Borderless printing	Yes. Also in combination with parallel board printing.

Flexible media

Maximum width	2.54 m (100″ or 8.33 ft)
Maximum length	Depends on total roll weight
Thickness	Min. 0.2 mm (8 mil) - max. 3.2 mm (118 mil)
Maximum weight	100 kg (220 lb)
Maximum roll outside diameter	Support for 3″-core media rolls with maximum outside diameter 360 mm (14″)
Borderless printing flexible media	Yes

Productivity

Express mode	Up to 275 m²/hr (2960 ft²/hr)
Production mode	Up to 138 m²/hr (1485 ft²/hr)
Standard mode	Up to 69 m²/hr (742 ft²/hr)
High-quality mode	Up to 62 m²/hr (667 ft²/hr)
High-definition mode	Up to 41 m²/hr (441 ft²/hr)

Media

Media types	Rigid as well as flexible media

Print Heads & Inks

Print heads	Piezoelectric Ricoh Gen5
Inks	CMYKLcLm White Primer

Image & Text Quality

Prints high quality	
Text quality	Up to 725 x 1200 dpi

Engine Weight & Dimensions

Printer dimensions (H x W x L)	2.0 m (6.56 ft) x 1.92 m (6.29 ft) x 6.83 m (22.4 ft)
Flatbed printer with roll-to-roll unit weight	4100 kg (9039 lb)

Electricity & Compressed Air

Electricity	380 V / 480 V, 3-phase, 50/60 Hz, 63A
Compressed air	20l/min at 6 bar (87 PSI)

System Integration RIP / Workflow software

Asanti, third-party rips (end of the year)

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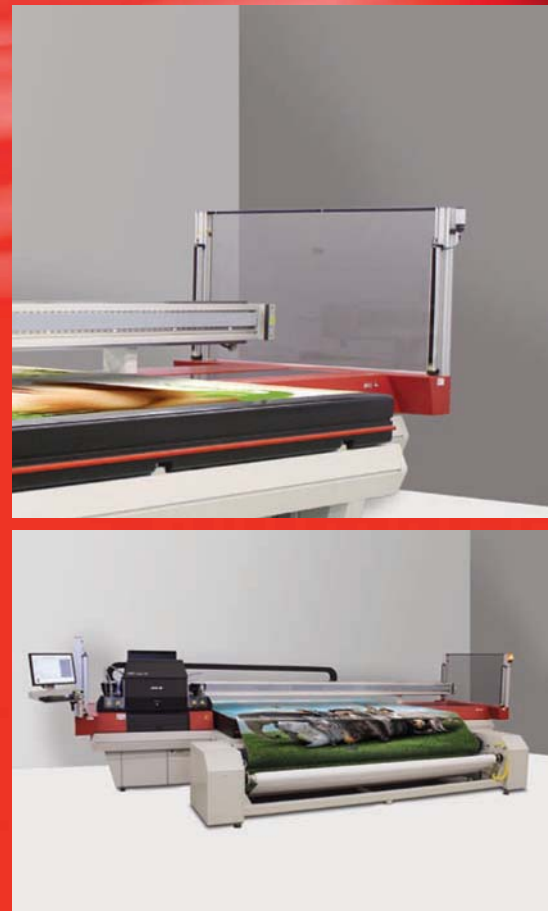
:Jeti Titan S / HS

A true flatbed (309 x 200 cm) inkjet printer for jobs up to 160 m²/hr with thát extra creativity using varnish and primer.

:Jeti Titan S / HS

Ultra-reliable six-color true flatbed UV inkjet wide-format printer bringing superb quality and speed at the sharpest price

The new Jeti Titan S and HS true flatbed six-color UV-inkjet printers for indoor and outdoor applications combine exceptional print quality and high speed for an unbeatable price performance solution. The robust build quality engines incorporate the latest generation in inkjet print heads (Ricoh Gen 5) and come with double white as standard. While the Jeti Titan S is equipped with one row of print heads, the Jeti Titan HS has two rows offering even higher productivity.

The Jeti Titan S and HS have a 'flat-to-roll' option that will give you the ability to print flexible media up to 3.2m (126") wide with the same high quality and resolution.

All Jeti printers are part of a complete package which also includes Asanti workflow and dedicated inks – all designed to work together to ensure the best results and maximum productivity for a predictable income.

Modular head configuration with field upgradeability
The Jeti Titan S (S for speed) features a single row of heads with six colors plus white, yet is field upgradeable to two rows of six colors plus white, thus becoming a Jeti Titan HS (high speed). Under the hood are the latest generation inkjet print heads, the Ricoh Gen 5 (1,280 nozzles vs. 384 in Gen 4).

In-store communications - forex

Outdoor communication - banner

In-house decoration - canvas

Full speed six-color printing with white on board

Both the Jeti Titan S and HS come standard with full-speed six-color printing (high fidelity CMYKLcLm). The addition of light cyan and light magenta expand the range of color gradations, making it possible to print more grey levels for more realistic, smoother skin tones and subtle degradées, producing more photorealistic images. This is extremely interesting for high-value work like POP viewed at close range or if high-level art, fashion or cosmetics are your market.

Also default in both models is (pre- and post) white printing, which is supported in different modes, and can include overprint, under-print, spot, under-spot, fill and over-spot for rigids and pre-white for roll media. The Jeti Titan's white ink system is designed to eliminate the resettling problems associated with the components of white ink. Not only is the white ink bulk tank in constant motion with our stirring elements, but constant recirculation flows through the lines all the way to the heads are maintained at an optimized ink temperature.

Unparalleled print quality

With its highly accurate drop placement and a 7 pico liter spot size, the Jeti Titan S/HS takes the high quality of the other Jeti Titan engines a step further still. It can print fine text down to 4pt positive and negative and delivers six-color high-fidelity printing at 720 x 1200 dpi for photorealistic image quality.

It is therefore ideal for the production of close-viewed output such as quality point-of-purchase as well as high resolution backlit applications (day-and-night). Additionally, the printer is designed for high productivity wide-format applications such as general displays.

In-house decoration - dibond

True flatbed with robust industrial build

The Jeti Titan S and HS have a 2 x 3m true flatbed design for optimum registration and repeatability. The moving table concept uses the latest generation of print heads, motion drive and curing technology. The printers' frames are based on tubular solid steel for seven day/three shift endurance.

Flat-to-roll option for even more flexibility

Giving you even more production flexibility, the 'flat-to-roll' (FTR) option makes it possible to print roll material up to 3.2m (126") wide with the same high quality and resolution as rigid materials, without losing speed. The FTR option can handle rolls up to 250 lbs (113 kg) so you can buy media economically and compete in even more markets.

Dedicated inks

The Jeti Titan engines work perfectly together with Agfa Graphics' fast-curing Anuvia UV-curable inks that are designed specifically for high-end production platforms. Anuvia inks offer great resistance to chemicals and abrasions plus good adhesion on the substrate. Their sharp, vibrant colors combine high fade resistance and excellent lightfastness.
The Jeti Titans support the full range of industry standard rigid and flexible media.

High-tech knowledge always at your finger points

The flagship of Agfa Graphics' inkjet portfolio builds on our extensive R&D knowledge and is serviced by one of the industry's most comprehensive support organizations.

In-house decoration - Wood

In-house decoration - Foamboard

In-Store communication - Textile

Advanced electronics

The new electronics platform in the Jeti Titans is designed for the future, with many features that make optimize the engines' printing performance:

Anti-static reliable printing

Surface static energy is a known adversary in UV printing. Undesirable effects include "misting", dust artifacts, fuzzy images and type or even "ghosted" images. Many of today's rigid media are susceptible to static charge, especially in the dry colder months. No need to worry about this with the Jeti Titan S and HS' antistatic system. Mounted right on the carriage to pass over you media before jetting, both negatively and positively charged areas of your media are neutralized.

Auto head height

Adjusting the carriage height to account for the differences in media thickness can be a time-consuming task. Not doing it can lead to head strikes though, while over-compensating by raising the heads will impact image quality. With the auto head height system, an optical laser mounted on the carriage is used to measure the high point on the media's surface. The software then automatically adjusts the carriage height to optimize image quality while eliminating the risk of head strikes due to imperfect media.

Media detection sensor

The media detection sensor instantly detects any obstacle in the carriage's path – preventing damage to your printer. When activated, the auto-recovery function takes over and re-homes the carriage and table, so you are printing again right away. Whether operator error has left an obstruction in the imaging area, or tape or media has curled, your investment will be protected by an instant braking of the carriage to avoid head replacement, repairs and downtime.

FTR (Flat-to-Roll) option

Shuttle safety sensors
The in-line shuttle safety sensors prevent print heads from touching the substrate. This will avoid damage to the precious heads in case you are working with media that are susceptible to temperature, light conditions or to humidity for instance.

Advanced GUI design
The industry-renowned intuitive GUI of Agfa Graphics' printers provides the ultimate in functionality: scaling, stepping, reprints etc – default delivered with Asanti Render and designed to integrate with the full Asanti workflow, while also being open to third-party RIPs.

A new concept for job management provides new time saving functionality such as the ability prepare future jobs while printing other jobs, keeping track of copies printed for billing and inventory management, attach notes with special instructions to the job and many more features.

In-house decoration - Forex

In-house decoration - dibond

Outdoor communication - banner

In-Store communication - Foamboard

Primer option

Difficult substrates can pose adhesion and durability challenges in inkjet printing. These include polypropylene, PMMA/acrylic, polystyrene, polycarbonate etc. With the primer option, users can select to have primer applied automatically, either as a 'fill' (the whole area) or 'mask' (printed areas only). A speedy pre-printing application of primer is automatically laid down to create excellent surface tension for better results. The UV-cured primer formulation is specifically designed for optimal results with the Ricoh Gen 5 heads on the Titan S/HS.

Varnish option

If you are looking for extra means of adding value and differentiating yourself from competitors, the Titan S/HS with varnish is a perfect opportunity. Used as a 'spot' varnish, it can add dramatic effects to many applications including POP displays, packaging, decorative prints, trade show graphics etc. Agfa Graphics' specially formulated UV-curable varnish is compatible with almost all standard UV printing media and cures to a perfect sheen in gloss, or with a semi-gloss effect.
The varnish option is factory installed only (not field upgradeable).

In-house decoration - canvas

:Jeti Titan S & :Jeti Titan HS

MEDIA DIMENSIONS

- Flatbed: 122" x 79" (309 cm x 200 cm)
- Rolls: 126" (3.20 m)

PRINTING AREA

- Flatbed: 122" x 79" (309 cm x 200 cm)
- Rolls: 122" (309 cm)

MEDIA TYPES

Full range of industry standard rigid and flexible media, a.o. reinforced vinyl, pressure sensitive vinyl, canvas, fabrics, foamboard, corrugated board, lenticular, tile, drywall, glass, sheet metal, paper and more

MAXIMUM THICKNESS

2" (5 cm)

PRINTING SPEEDS

Up to 1,723 ft²/hr (160 m²/hr)

COMPRESSED AIR

100 PSI minimum - 150 PSI (7-10 bar) maximum with a 10 gallon (40 liter tank) 15 cfm peak

IMAGE QUALITY

Prints high quality up to 720 x 1200 dpi

INKS

CMYK LcLm
White
Inks shelf life is one year for UV inks

HEADS

Ricoh Generation 5 heads

DIMENSIONS

- Uncrated dimensions:
  77.5" H x 95.5" W x 258" L
  (197 cm x 243 cm x 655 cm)
- Crated dimensions:
  86" H x 101.5" W x 264.5" L
  (218 x 258 cm x 672 cm)
- Titan (H)S with FTR dimensions
  77.5" H x 167" W x 258" L
  (197 x 424 cm x 655 cm)

- FTR only
  Crated dimensions:
  38" H x 83.5" W x 177" L
  (96.5 cm x 212.1 cm x 450 cm)

WEIGHT

- Weight Titan S/HS
  8,850 lbs (4,014 kg)
  Add 2,600lbs (1,179 kg) for crating

- FTR only
  Weight: 1,308 lbs (593 kg)

ELECTRICITY

400Y / 230V, 3 phase 50/60 Hz
25 KVA (34A)

AGFA
STAY AHEAD. WITH AGFA GRAPHICS.

KC091

Addition Pen

Addition pen for plates. This pen is available with broad tip.

Broad tip: case of 3 pens **Art. code** R2Q2Q

Working instructions

Correction on a developed plate before printing

- Remove any gum of the area which needs to be corrected with a wet cotton path or wet sponge.
- Wipe the area complete dry.
- Perform your correction by writing with the pen (only once - not several times over the same area).
- Re-gum the plate and wipe the plate dry before printing.
- After correction, always put the cap on the pen.

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Perform your correction by writing with the pen (only once - not several times over the same area).
- After correction, always put the cap on the pen.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the pen closed.
- Shelf life: 24 months from date of manufacture

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓	✓	✓	n/a	✓	n/a	✓	n/a	✓	n/a

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	n/a	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	n/a	✓	✓	n/a	✓

KN025

Deletion Pen

Deletion pen for negative analogue plates. This pen is available with medium tip.

Medium tip: case of 3 pens **Art. code** OAXGM

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- Wipe the plate dry and re-gum the plate with the gum in use.
- After correction, always put the cap on the pen.

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- After cleaning with a wet cotton path, clean the plate with the dedicated plate cleaner to restore the desensitising capacity of the plate.
- After correction, always put the cap on the pen.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the pen closed.
- Shelf life: 24 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✕	✕	✕	✕	✕	✕	✕	✕	✕	✕

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✕	✕	✕	✕	✕	✕	✕

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✕	✕	✓	✕	✕	✓

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KN250

Deletion Fluid

Correction fluid for negative analogue plates

6 x 0.1L bottle **Art. code** P5YCZ

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction fluid.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction fluid residue left on the plate.
  Be careful that you don't wipe the correction fluid residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry and re-gum the plate with the gum in use (manual or in rinse-gum of processor)
- Wipe the plate dry after re-gumming.
- After correction, always put the cap on the bottle

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction fluid.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction fluid residue left on the plate.
  Be careful that you don't wipe the correction fluid residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry.
- After correction, always put the cap on the bottle.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the bottle closed.
- Shelf life: 24 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✗	✗	✗	✗	✗	✗	✗	✗	✗	✗

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✗	✗	✗	✗	✗	✗	✗

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✗	✗	✓	✗	✗	✓

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KP010 - KP011 - KP012

Deletion Pen

Deletion pen for positive thermal plates. This pen is available with fine, medium and broad tip.

KP010 (fine tip): case of 3 pens **Art. code** OAXEH
KP011 (medium tip): case of 3 pens **Art. code** OAXFK
KP012 (broad tip): case of 3 pens **Art. code** KE926

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- Wipe the plate dry and re-gum the plate with the gum in use.
- After correction, always put the cap on the pen.

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- After cleaning with a wet cotton path, you don't have to re-gum the plate
- After correction, always put the cap on the pen.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the pen closed.
- Shelf life: 18 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓	✓	✓	n/a	✓	n/a	✗	n/a	✗	n/a

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✗	n/a	✗	✗	✗	✗	✗

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	n/a	✗	✓	n/a	✗

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KP23

Deletion Gel

Deletion Gel for thermal and positive analogue plates

6 x 0.1L bottle **Art. code** P6VY5

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction gel.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction gel residue left on the plate.
  Be careful that you don't wipe the correction gel residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry and re-gum the plate with the gum in use (manual or in rinse-gum of processor)
- Wipe the plate dry after re-gumming.
- After correction, always put the cap on the bottle

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction gel.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction gel residue left on the plate.
  Be careful that you don't wipe the correction gel residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry.
- After correction, always put the cap on the bottle.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the bottle closed.
- Shelf life: 24 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations

Remark

With this product, you can also check the baking efficiency of positive thermal plates:

- Put a small drop of the gel on a image part.
- leave it on the plate for 15 min
- wipe the correction gel away with a dry cotton path.

The positive thermal plate is full baked if drop is not visible after removing the gel..

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	: Energy Elite	: Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✘	✘	✔	n/a	✔	n/a	✘	n/a	✘	n/a

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✘	n/a	✘	✘	✘	✘	✘

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✔	n/a	✘	✔	n/a	✘

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KP273

Deletion Fluid

Deletion Fluid for most thermal and analogue positive plates

6 x 0.1L bottle **Art. code** R6J1S

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction fluid.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction fluid residue left on the plate.
  Be careful that you don't wipe the correction fluid residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry and re-gum the plate with the gum in use (manual or in rinse-gum of processor)
- Wipe the plate dry after re-gumming.
- After correction, always put the cap on the bottle

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction fluid.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction fluid residue left on the plate.
  Be careful that you don't wipe the correction fluid residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry.
- After correction, always put the cap on the bottle.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the bottle closed.
- Shelf life: 24 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	: Energy Elite	: Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓	✓	✓	n/a	✓	n/a	✗	n/a	✗	n/a

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✗	n/a	✗	✗	✗	✗	✗

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	n/a	✗	✓	n/a	✗

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Lithostar Correction Gel

D e l e t i o n   G e l

Deletion Gel for Lithostar plates

6 x 0.1L bottle **Art. code** P9EGW

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction gel.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction gel residue left on the plate.
  Be careful that you don't wipe the correction gel residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry and re-gum the plate with the gum in use (manual or in rinse-gum of processor)
- Wipe the plate dry after re-gumming.
- After correction, always put the cap on the bottle

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction gel.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction gel residue left on the plate.
  Be careful that you don't wipe the correction gel residue in the image area.
- Rinse the corrected area several times with a wet cotton path, to be sure that all residues are removed.
- Wipe the plate dry.
- After correction, always put the cap on the bottle.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the pen closed.
- Shelf life: 18 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✖	✖	✖	✖	✖	✖	✖	✖	✖	✖

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✖	✖	✖	✖	✖	✖	✔

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✖	✖	✖	✖	✖	✖

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Lithostar Correction Pen

D e l e t i o n   P e n

Deletion pen for lithostar plates. This pen is available with medium and broad tip.

Medium tip: case of 3 pens **Art. code** P9EJ1
Broad tip: case of 3 pens **Art. code** P9EHY

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- Wipe the plate dry and re-gum the plate with the gum in use.
- After correction, always put the cap on the pen.

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction pen.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- After cleaning with a wet cotton path, you don't have to re-gum the plate
- After correction, always put the cap on the pen.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the pen closed.
- Shelf life: 24 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✘	✘	✘	n/a	✘	n/a	✘	n/a	✘	n/a

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✘	✘	✘	✘	✘	✘	✔

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✘	n/a	✘	✘	n/a	✘

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:Meridian P55

Reliable, general purpose, high speed positive plate

Agfa's Positive Plate :Meridian P55 is a general-purpose high speedplate, suitable for a wide range of applications in medium run sheet-fed and web printing. :Meridian P55 is a positive reversible printing plate with premiumquality photo coating on an excellent aluminum base.

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:Meridian P55
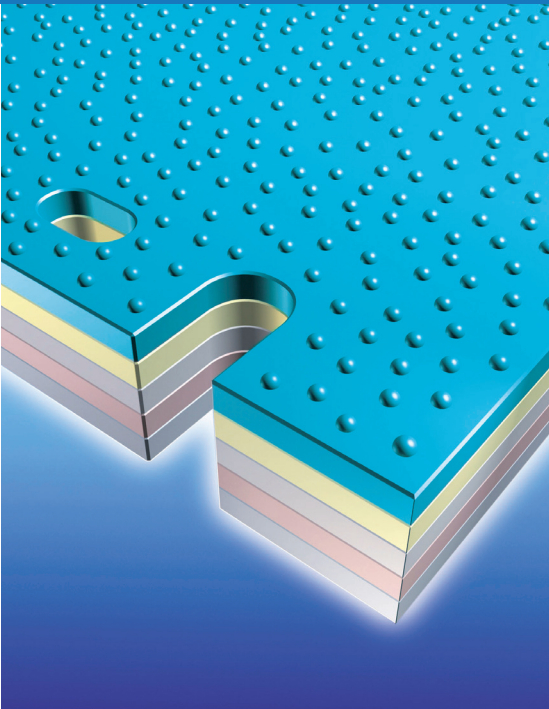
- Short exposure time
- Reversible exposure with positive and negative films
- Fast, clean processing
- Strong image colour for easy inspection
- Reproduction in the range 3%-98% up to 150 lpi/60lpc
- Fine even grain structure providing good damping latitude
- Low fountain solution consumption
- Rapid ink/water balance
- Excellent clean-up properties reducing waste
- Medium run length
- Can be baked for extra long runs
- Excellent draw-down and anti-halation properties

Feature	:Meridian P55
Plate type	Electrochemically grained and anodised aluminium
Colour of coating	bluish green
Resolution	Ugra test wedge microlines : 6µ
Recommended exposure (5KW, distance : 1.2m)	300-400 mJ per cm2 Clear step 3 on Fogra wedge
Screen range	3% - 98% at 150 lpi
Water consumption	Low
Run length	Up to 100,000 *
Run length after baking	Up to 250,000 *
Run length for UV inks Up to 100,000 * after baking	Up to 100,000 *
Plate gauge	0.15 mm, 0.30 mm, 0.40 mm
Plate size	Maximum width 1500 mm
Grain direction	According to the demands of web or sheet-fed specifications
Shelf life	18 months Storage temperature 5 - 30° C, humidity 30-70%
System developer	Prima DP200
Developer dwell time	20 to 30 s
Developer temperature	21 to 24°C
Replenisher Replenishment rate	Prima DP200 R 30-50 ml/m2
Ideal gum	RC795 for machine and hand gumming and RC510 for baking.
	* Run length dependent on press conditions

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:N94-VCF

The Natural Way of Platemaking

:N94-VCF is Agfa Graphics' latest addition to the range of photopolymer offset plates for the newspaper industry. Like other violet offset plates, it is sensitised for visible lasers emitting at 405 nm, but, instead of requiring a chemical developer for processing, it is designed for chemistry-free operation. Agfa Graphics offers fully integrated newspaper prepress solutions that come complete with CtP, clean-out unit (COU), printing plates and :Arkitex workflow software.

Benefits at a Glance

- Stable, quick imaging process.
- Easy maintenance and less waste production/handling.
- No hazardous processing chemicals.
- Reduced environmental impact
  - pH-neutral clean-out solution
  - No developer, nor replenisher
  - 100% water saving
- Run lenghts up to 200,000 prints
- Suited for high quality :Arkitex Sublima screening

Imaging & Processing Principle

This chemistry-free plate works with all mainstream violet CtP units currently in use at newspaper print sites across the world and emitting at least 30 mW.
During exposure, the violet laser diode starts the polymerisation of the image area, which is completed in the first section of the COU. Subsequently the plate is gummed with a dedicated plate gum, during which process the soft, unexposed non-image area is easily and cleanly removed.

High volume plate production system :Advantage N-DL, complete with on-line :VXCF 85 COU.

Durable Substrate

:N94-VCF provides the solid foundation for consistent press performance. Advanced electrochemical graining and anodising yield the reliability and robustness needed on a newspaper press and the durability required to produce long press runs.

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:N94-VCF
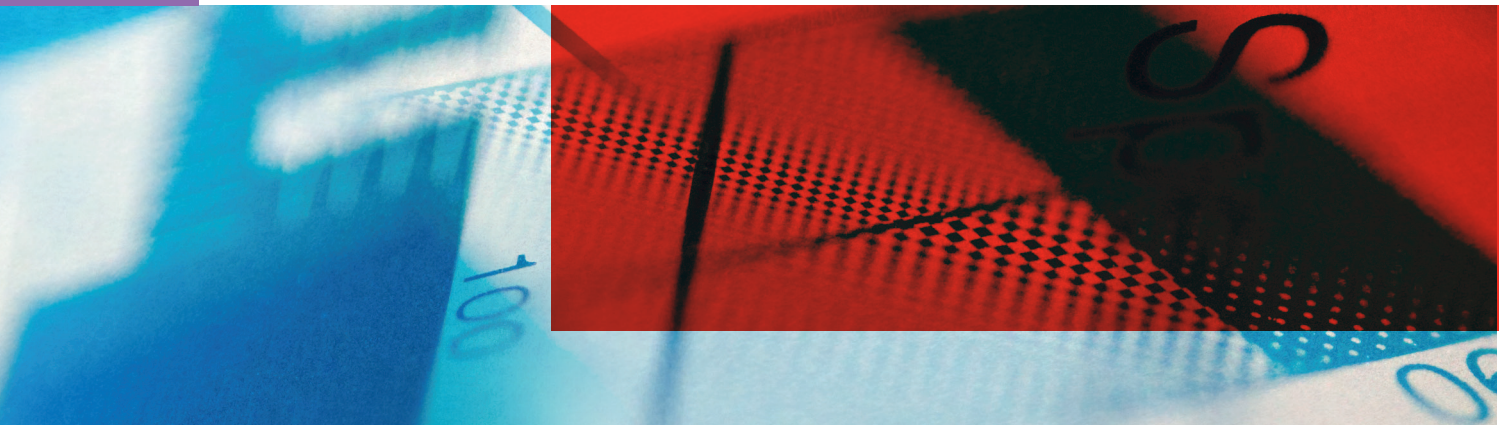
High Performance on Press

Although a chemistry-free plate, press operators will readily accept it as it looks, feels and behaves as any other metal offset plate. Normal plate densitometers can be used to read the plate without problems. With its high-contrast - dark image on a standard aluminium substrate – a quick visual check will quickly reveal possible errors (imposition, etc.).

:N94-VCF combines fast, accurate and wide-latitude plate exposure with chemistry-free processing, while ensuring predictable, consistent performance on press.
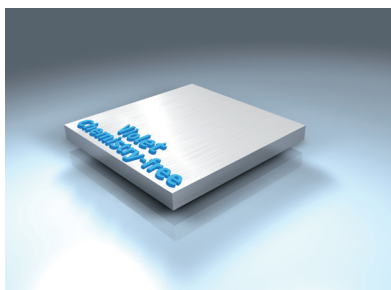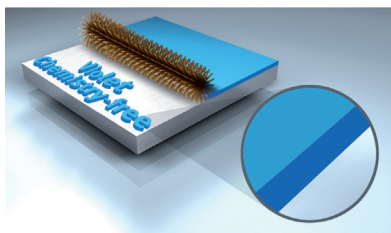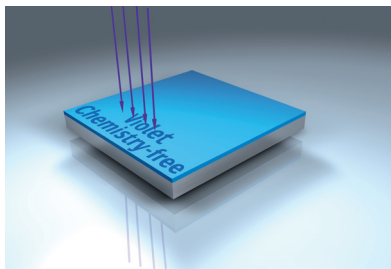
Plate Specifications

Plate type	Negative-working high-speed, chemistry free laser plate
Coating	Photopolymer
Gauges	0.15, 0.20, 0.30 mm
Surface	Electrochemically grained and anodized
Sizes	Newspaper web
Spectral sensitivity	405 nm violet laser diode
Resolution*	2 -98 % at 110 lpi for ABS 1- 99 % at 180 lpi for Sublima
Clean Out Unit	:V(X)CF 85 or modified processors :VPP & :VXP & :VXXP
Chemistry	Not required, only Violet CF gum
Working conditions	Operating temperature 21-25 °C Relative humidity 40-60 %
Storage conditions	Shelf life 18 months if kept at <30°C and relative humidity 30 -60%. Do not expose to 50°C temperatures for more than 24 hours.
Run length**	Up to 200,000 Not suited for UV inks.

Resolution dependent on platesetter
**Run length dependent on press conditions.*

Agfa Graphics' Optimised Gums and Pressroom Chemicals

Gums	Machine and manual	Unifin RC795
	Baking gum	Not applicable
Plate Correction pen (for unbaked plates)	Polymer deletion pen	
Plate Cleaner	Standard	ANTURA CtP Plate Cleaner
	LOW Voc / NON-VOC	ANTURA Low VOC Plate Cleaner
	Cleaning gum	ANTURA CleanGum
Fountain Solutions	Sheetfed	Not applicable
	Heatset	Not applicable
	Coldset	ANTURA fount CS(H)1
Roller and blanket washes		Xtrawash Plus 40 & 60

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates.

Not all plates are available in every region. Contact your local Agfa representative for more information.

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Violet CF Gum NP

Clean-out Gum

Description
Clean-out gum for newspaper chem free plates

General information
Violet CF Gum NP is a neutral gum designed to work with the Agfa N94-VCF plate.
The product does not require chemical replenishment but a water top up programme maybe be installed in certain configurations.
Please consult the Agfa Chemical Plate Calculator or working instructions for the exact set up.
The product is available as 20L 200L or 1000L containers depending upon the customer requirements.

Special Comments
Only to be used with N94-VCF and NOT with Azura Vi

Safety
Read MSDS before using this product.
http://www.agfa.com/global/en/main/support/msds/

Waste
Collect if required, send to authorized disposal centres, in accordance with local and national regulations.

Main characteristics
- Neutral pH
- Non solvent based
- No replenisher required
- Ready to use

Physical properties

Appearance	Clear yellow liquid
Density	1,017 kg/Litre
pH (25°C)	7,7
Conductivity (20°C)	N/A
Shelf life	36 months

Storage : transport

Permanently transportable to all destination
A temperature between +30°C and 48°C is permitted if the total transport is max.1 month.
A temperature between +48°C and 60°C is permitted for al limited time of 3 x 12 hours.
The temperature should always be higher than - 20°C

Storage : warehouse

Average temp	+20°C
Max. temp.	+ 23°C
Min. temp.	+ 4°C
No adjustment of the relative humidity	
An increase of the temperature up to 28°C is permitted for a period of max 3 consecutive weeks per year.	

General Storage information
- Store in a dry, well ventilated area
- Keep away from heat and direct sunlight
- Keep the containers closed

Newsfin RC794

General Machine finisher-gum for Newspapers

Gums

Pro 10 Litres: **Art. code** K9DS1
Pro 20 Litres: **Art. code** K3KJR
Pro 2 x 200 Litres: **Art. code** K4R9D

Newsfin RC794 is a machine finisher for newspapers. It is a low viscosity gum, compatible with all offset plates. The product forms a thin and even film on the plate, allowing quick removal of the gum before printing. Newsfin RC794 can be used for storing plates for 1 to 2 weeks. This finisher gum can only be used in automatic processors. It is not designed for manual use.

Working instructions

Machine application
- Fill the processor according to the instructions.
- Replenish regularly with concentrated finisher to maintain the level in the processor tank.
- Optimise dryer settings to avoid viscosity increase.

Main characteristics
- Ready-to-use
- Designed for machine application.
- Low viscosity gum.
- Medium-term storage.
- Compatible with all plates.
- Excellent film properties.

Plate storage (golden rules)

Before printing, store the plates in a dry and heated place.
Recommended storage conditions are:
- temperature between 18 and 24 °C (64 and 75 °F).
- relative humidity < 70 %.
- Image side against image side, separated by interleaving paper.
- Verify that the humidity of the interleaving paper is not too high.

Physical properties (Concentrated solution)

Appearance	Brown solution
Density	1,07 kg/litre
Viscosity	+/- 3,0 cP
pH (25°C)	5.0
Gum substance	Synthetic Dextrine

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Safety
Read MSDS before using this product.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 36 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

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Gums

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	n/a	✓	✓	n/a	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

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No foam RC31

Specialities

Anti foaming agent

No foam RC31 is an emulsion formulated to prevent or reduce foam. No foam RC31 mixes very well in aqueous solutions. This prevents any further air absorption by the surface and subsequently reduces the foaming process. It is compatible with most liquid systems, independent of their chemical nature, although the quantity of No Foam RC31 to be used should be kept to an absolute minimum.

Working instructions

Fountain solutions

- Can be added to the mixed fountain solutions :
  0.25 – 0.5% (25 – 50 mL per 10 litres)
- It is recommended to premix No Foam RC31 first with the fountain solution before usage.

Developers

- Can be added to the developer :
  0,01% (1mL per 10 litres)
- It is recommended to premix No Foam RC31 first with the developer solution before usage.
- Avoid the product splashing into the rinse section.

Remark

- The quantity of No Foam RC31 should be kept to an absolute minimum.

Main characteristics

- Anti foaming agent.
- Compatible with most aqueous solutions.

Properties

Chemical	Appearance	white emulsion
	pH (25°C)	6,5
	Density (25°C)	1,010 kg/Litre
	Water miscible	✓
Dosage	Fountain solution	0,25 - 0,5%
	Developer	0,01%

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 12 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa plate compatibility

No Foam RC31 may NOT directly come in contact with the printing plate surface.

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Normakleen RC910

General purpose plate cleaner

Plate care

Pro 6 x 1 Litre: **Art.code** PYKOJ
Pro 4 x 5 Litre: **Art.code** PYKPL

Normakleen RC910 is an emulsion cleaner and conditioner, for use with positive and negative pre-sensitised aluminium plates. Normakleen RC910 has a high solvency to rapidly remove ink and scum. At the same time it improves the hydrophilic properties of the non-image areas. Normakleen RC910 will provide protection during short press stops and can be used as a starter for both new and stored plates.

Working instructions

- Shake well before use.
- Apply Normakleen RC910 directly onto the plate surface using a damp sponge or wipe applying sufficient pressure to remove any ink.
- Wash off with water or fountain solution before restarting the press (or storing the plates) to ensure best results.
- Normakleen RC910 should not be left on the image area for a prolonged period without buffing down.

Main characteristics

- Developed for analogue plates.
- High ink solvency for fast removal and cleaning of even dried ink.
- Removes scum, oxidation and light scratch marks.
- Easy local application without spreading or running down the plate cylinder.
- Improves hydrophilic properties of the non-image area.
- Provides protection during press stops.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 18 months from date of manufacture.

Physical properties (Concentrated solution)

Appearance	White emulsion
Flashpoint	58 °C
Density	0.96 kg/litre
Viscosity (20°C)	1500-1600 mPas
pH (25°C)	1.15
VOC	45%
Ink solvency	Strong

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

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Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✗	✗	✗	✓	✗	✓	✗	✓	✗	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✗	✓	✗	✗	✗	✗	✗

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

Omniwash Plus

Washes

General purpose non-water miscible blanket & roller wash

Pro 20 Litres: **Art. code** PYHCM
Pro 2 x 200 Litres: **Art. code** PYHBK

Omniwash Plus is a highly effective, non-water miscible blanket and roller wash. It will quickly remove ink and lint, leaving blankets and rollers with an ink receptive surface. Omniwash Plus is suitable for automatic washing systems and manual application.

Working instructions

Manual use: Blankets / Ink rollers
- Apply wash with a lint free cloth, evenly covering the whole surface.
- Allow to evaporate before starting to print.

Automatic use
- Follow manufacturer's instructions.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Main characteristics
- Non-water miscible.
- Excellent ink removal properties.
- Suitable for manual and automatic use.
- Compatible with most offset plates.
- Cleans quickly and thoroughly.
- Reduces blanket tack.
- Prevents oxidation and swelling of the rubber.
- Keeps rollers and blankets ink-receptive.

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations

Properties

Chemical	Appearance	Yellow
	Classification	A II
	Flashpoint	47 °C
	Density (25°C)	0,780 kg/Litre
	VOC content	99%
Press	Business forms web	✘
	Coldset web	✘
	Heatset web	✘
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Mild
	Drying speed	Medium
	Water miscible	✘
	Automatic wash	✓

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Washes

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Digital plate technology						
Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

Product features

630-670nm

AGFA

Description:

* DigiDot far red film
* Spectral sensitivity: HeNe laser and red laserdiode (630-670nm)
* Emulsion coated on a 0.10 mm antistatic polyester base.

Required energy to obtain D.4.00
at 630nm : 11.30 Erg/cm²
at 650nm : 8.50 Erg/cm²
at 670nm : 12.90 Erg/cm²

❶ Application zone
❷ Safelight zone
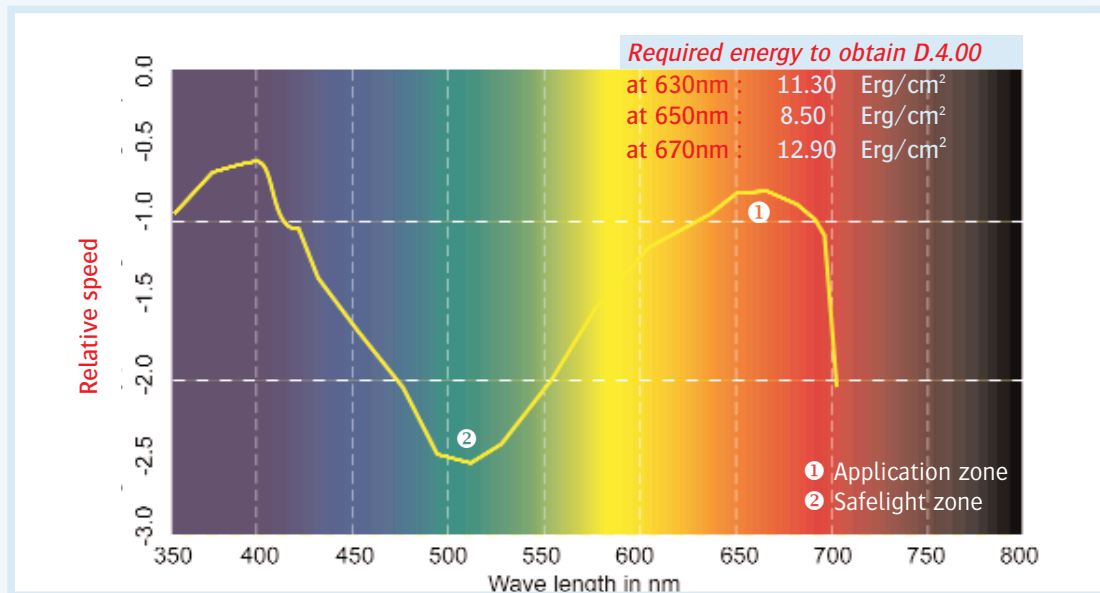
Features

◀ Perfect "hard dot" edge sharpness and practical density even in the small dots
◀ Wide System latitude: Wide processing & exposure latitude
◀ Very good Day to day consistency
◀ Good batch-to-batch consistency
◀ Convenience and ease of use because of available ECO equipment
◀ Ecological & Economical replenishment, very Low chemistry consumption.
◀ Linear output for conventional screening
◀ Approved for stochastic screening
◀ Anti-static before and after processing
◀ Open system : perfect processing in compatible chemistries

Practical Photographic Properties					
Engine	**AccuSet**		**Avantra**		
Property	HND		HND		
Int. Setting	165		210		
Practical density	D.4.10-4.20		D.4.10-4.20		
5%	4%		5%		
50%	51%		51%		
95%	96%		95%		

User guidelines   AGFA

Processing conditions

Agfa developers	**ACD/ASD**	**G101c**
Recommended processing time	30 sec.	30 sec.
Processing latitude	25 - 60 sec.	25 - 60 sec.
Processing temperature	35°C or 95°F	35°C or 95°F

Developer replenishment

		ACD/ASD		**G101c**	
		ml/m2	cc/sqin	ml/m2	cc/sqin
	15% exp.	100	0,06	100	0,06
	50% exp.	200	0,12	200	0,12
	85% exp.	350	0,23	350	0,23

Anti-Ox replenishment
<10m2 /24h: 2500 ml/24h = 0,660 US_gallons/24h
>10m2 /24h: 1500 ml/24h = 0,396 US_gallons/24h

Agfa fixers   **G333c**

Fixing temperature   32°C or 90°F

Fixer replenishment
without fixer electrolysis   **G333c**

15% exp.	500 ml/m2 0,32 cc/sqin
50% exp.	300 ml/m2 0,19 cc/sqin
85% exp.	100 ml/m2 0,06 cc/sqin

with fixer electrolysis   125 ml/m2   0,08 cc/sqin

Practical Set-up Density: > **D.4.00** (dotgain depending on optical quality of Imagesetter)

Chemical compatibility: Processable in all Rapid Access chemistries and in main Hard Dot chemistries such as RA2000, Fuji HQ QRD-1 and QRD-1P.
Dimensional stability:
Humidity. coef: 0.10mm base   Crh 0.016mm/m / % RH

Temp. coef: 0.10mm base   Cot 0.018mm/m /1°C (0.001mm/m /1°F)

Safelight conditions: Dark green
Recommended: EncapSulite T20/ND.75 or equivalent
Storage: The films are preferably stored in a cool dry place temperature below

PlateEtch Plus

Acidic desensitising agent

Pro 4x1 Litre: **Art.code** PY9PH

PlateEtch Plus is an acidic desensitising solution to eliminate problems associated with desensitisation, oxidation, ink pick up on damping rollers, plate storage etc. The use of PlateEtch Plus will enhance water receptivity of metal surfaces. PlateEtch Plus will ensure maximum water receptivity of the rollers and control over the damping water film.

Working instructions

Desensitising damping rollers

- Thoroughly clean the damping rollers using a product washing solvent designed for this purpose.
- Apply PlateEtch Plus using a water damp sponge or wipe.
- Let it dry to a film using a clean sponge or wipe.

Manual plate processing or storage

- Add PlateEtch Plus to the standard gum solution (1 part PlateEtch Plus and 3 parts of Standard Gum) or use PlateEtch Plus diluted 1:1 with water.
- Always apply PlateEtch Plus using a clean, damp sponge or wipe and buff down to give a thin even film.

Safety

Read MSDS before using this product.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Main characteristics

- Acidic desensitising solution.
- General purposing desensitising.

Physical properties

Appearance	Colourless solution
Density	1,073 kg/litre
Conductivity (25°C)	7,68 mS/cm
pH (25°C)	1,3

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Agfa Graphics plate compatibility

Digital plate technologies										
Thermal										
:Amigo	:Amigo baked	:Amigo TS	:Amigo TS baked	:Ampio	:Ampio baked	:Azura TS	:Energy Elite	:Energy Elite baked	:Thermostar	:Thermostar baked
✓*	✓*	✓*	✓*	✓*	✓*	✓	✓*	✓*	✓	✓

Digital plate technology						Analogue plate technology			Polyester plate technology
Visible light									
:Aspire	:Aspire baked	:Azura-V	:Lithostar Ultra	:N91v	:N92-VCF	:P55	:P55 baked	:N555	Setprint Plus
✓	✓	✓	✓	✓	✓	✓	✓	✓	✗

* Long contact time or intensive scrubbing can cause image damage

Polymer Deletion Pen

Deletion Pen

Deletion pen for polymer plates.

Working instructions

Correction on a developed plate before printing

- Remove the image with the correction pen. Dissolve the top layer of the plate by wiping the deletion pen with a ten second interval.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- Clean the deleted area with ANTURA CtP Plate Cleaner.
- Wipe the plate dry and re-gum the plate with the gum in use.
- After correction, always put the cap on the pen.

On press correction

- Remove the ink from the plate with the dedicated plate cleaner.
- Be sure that all ink is removed.
- Make the correction area complete dry.
- Remove the image with the correction pen. Dissolve the top layer of the plate by wiping with a ten second interval.
- Immediately after correction, remove with a wet cotton path or wet sponge the correction liquid left on the plate.
  Be careful that you don't wipe the correction liquid residue in the image area.
- Clean the deleted area with ANTURA CtP Plate Cleaner.
- After cleaning with a wet cotton path, you don't have to re-gum the plate
- After correction, always put the cap on the pen.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the pen closed.
- Shelf life: 24 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✘	✘	✘	✘	✘	✘	✘	✘	✘	✘

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	n/a	✓	✓	✓	✓	✘

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✘	✘	✘	✘	✘	✘

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The offset printing process is a combination of different chemical processes where ink, water, fountain solution, washes, rubber, metal and plate coatings all interact with each other to produce high quality printed matter.

For over 20 years, Agfa Graphics has been involved in the development of pressroom chemicals. Agfa Graphics develops the pressroom chemicals alongside the plates, ensuring optimum performance of all our pressroom chemicals. These advanced formulations are developed in our FOGRA approved laboratories.

Before releasing any of the products onto the market, all products are tested on press in the in-house printing shop; this ensures the pressroom chemicals will work well even under the most demanding pressroom conditions.

The combination of plates and pressroom chemicals enables Agfa Graphics to deliver best in class products to ensure a stable production for our customers so they can get the very best performance from their press.

PLATE CARE PRODUCTS

Every plate has its own specific composition and needs a specific high quality plate cleaner to enhance the sensitivity and run length. Developed alongside the plate and tuned to the plate, Agfa Graphics's easy re use plate care products provide plate protection and enhance the usage of Agfa plates.

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Analogue plate cleaner - general purpose

Normakleen RC910
Emulsion cleaner and conditioner for positive and negative aluminium plates.
Developed for analogue plates. Removes scum, oxidation and light scratch marks.
Available in 6x1L and 4x5L

CtP Plate cleaner - general purpose

ANTURA CtP Plate Cleaner
Mild emulsion cleaner for all CtP plates. Removes ink, desensitises non-image
areas and provides protection during press stops.
Available in 6x1L

ANTURA Low VOC Plate Cleaner
Mild emulsion cleaner for all CtP plates, contains almost no VOC for a safer
working environment. Removes ink, desensitises non-image areas and provides
protection during press stops.
Available in 6x1L

Plate cleaner for UV inks

ANTURA UV Plate Cleaner
Mild emulsion cleaner to remove UV ink. Removes UV ink, desensitises non-image areas
and provides protection during press stops.
Available in 6x1L

Heavy duty plate cleaners

Fortakleen RC95
Heavy duty abrasive emulsion cleaner for positive and negative plates. Removes ink,
desensitises non-image areas and provides protection. Suitable for baked plates.
Available in 6x1L

Fortakleen Ultra
Stronger heavy duty abrasive emulsion cleaner for positive and negative plates.
Removes ink, desensitises non-image areas and provides protection. Used when
a stronger cleaner than Fortakleen RC95 is needed. Suitable for baked plates.
Available in 6x1L

Washout Gum

ANTURA CleanGum
Dual purpose plate cleaner and storage gum.
Removes inks and gums the plate for short term storage (1-7 days).
Available in 6x1L

Scratch remover

Reviva Plate
Reviva plate is a liquid scratch remover for non-image areas on all printing plates.
Available in 6x1L, Available per 3 pens for easy application.

Etcher / Desensitizer

PlateEtch Plus
Acidic desensitising solution. Eliminates problems with desensitisation and oxidation.
PlateEtch Plus enhances the water receptivity of metal surfaces.
Available in 4x1L

FOUNTAIN SOLUTIONS

Agfa Graphics develops fountain solutions in their FOGRA compliant laboratory in Belgium. Agfa Graphics's experienced chemists use their knowledge of plate compositions to develop compatible fountain solutions. Agfa Graphics offers a wide range of fountain solutions for a wide spectrum of applications. Sheetfed fountain solutions for printing with reduced IPA dosage or even totally alcohol free are developed to work with every Agfa Graphics plate on the market. Specific fountain solutions are manufactured for high speed newspaper and heatset presses. For small presses, big presses, printing at low speed, printing at high speed, sheetfed or rotation...Agfa Graphics offers fountain solutions for almost every need.

Sheetfed conventional

Prima FS303 SF

FOGRA approved general purpose offset fountain solution additive for printing with alcohol
on sheet-fed presses. Prima FS303 SF is suitable for every type of dampening system.
It is gum free and has a balanced pH. Prima FS303 SF gives very good plate protection
and has powerful wetting capabilities to maintain an excellent ink/water balance at
reduced water feed settings.

Recommended dosage: 2 - 4% . Recommended alcohol dosage: 8 - 12%

Available in 20L

Prima FS605

Prima FS605 is a gum free fountain solution additive designed to be used in conjunction
with UV printing inks. It produces a more viscous film of water onto the plate eliminating
problems associated to ink feedback and ink piling. The ink/water balance is achieved
quickly, reducing paper waste.

Recommended dosage: 2 - 4% . Recommended alcohol dosage: 8 - 12%

Available in 20L

RC661

RC661 is a gum free fountain solution additive suitable for all types of dampening systems. It has a balanced pH for use in sheet-fed offset applications. RC661 gives very good plate protection and maintains an excellent ink/water balance at reduced water feed settings.

Recommended dosage: 2 - 4% . Recommended alcohol dosage: 8 - 12%

Available in 10L, 20L and 200L

RC63

RC63 is a gum free buffered fountain solution. RC63 has excellent wetting characteristics which make it particularly suitable for use on small sheet-fed and business forms web offset presses. It avoids tone problems on small offset presses and gives fast start-up, helping to minimise paper wastage. RC63 prevents ink build up on roller and blankets. It is suitable for all types of dampening systems in small sheet-fed and business forms web offset presses.

Recommended dosage: 2 - 4%. Recommended alcohol dosage: 6 - 10%

Available in 10L

Sheetfed alcohol reduction

Prima FS404 AS - Prima FS404 ASH

FOGRA approved fountain solution additive for alcohol reduction for sheet-fed offset presses. Contains highly efficient surface tension reducers and wetting agents to reduce the use of alcohol. It has a balanced pH and by virtue of its powerful wetting capability maintains an excellent ink/water balance at reduced water feed settings. Available for all types of water.

Recommended dosage: 2 - 3%. Recommended alcohol dosage: 4 - 8%

Available in 20L and 200L

Prima FS404 ASD

Fountain solution additive for alcohol reduction for sheet-fed offset presses. Contains highly efficient surface tension reducers and wetting agents to reduce the use of alcohol. It contains a drying agent (non cobalt) for faster ink drying on non absorbing surfaces.

Recommended dosage: 2 - 3%. Recommended alcohol dosage: 4 - 8%

Available in 20L

Sheetfed alcohol free

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ANTURA fount AFS1 - ANTURA fount AFSH1

FOGRA approved fountain solution additive for alcohol free printing for sheet-fed offset. ANTURA fount AFS1 has proven a very good plate protection and a powerful wetting capacity enabling a good ink/water balance at reduced water feed settings. Due to its plate friendly composition ANTURA fount AFS1 does not attack the plate. Available for all types of water.

Recommended dosage: 3%. **Recommended alcohol dosage: 0** - **6**%

Available in 20L and 200L

Prima FS808 AF

FOGRA approved fountain solution additive for alcohol free printing for sheet-fed offset. Prima FS808 AF has proven a very good plate protection and a powerful wetting capacity enabling a good ink/water balance at reduced water feed settings.

Recommended dosage: 3%. **Recommended alcohol dosage: 0** - **3**%

Available in 20L

Newspaper printing

ANTURA fount CS1 - ANTURA fount CSH1

FOGRA approved fountain solution additive, buffered and specifically designed for coldset webs, particularly for newspaper printing. ANTURA fount CS1 maintains a stable pH even on poor quality stock. ANTURA fount CS1 forms a thin and even film for a more effective wetting of the plate. ANTURA fount CS1 avoids calcium build-up on the blankets avoiding frequent machine stops.

Recommended dosage: 2 - 3%

Available in 20L, 200L and 1000L

Heatset alcohol free

Prima FS909 AF Web - Prima FS909 AFH web

FOGRA approved heatset web fountain solution additive for alcohol-free printing. It is compatible with all types of dampening systems. Prima FS909 AF Web has good wetting characteristics and creates a more viscous water film on the plate. This will eliminate problems associated with ink feedback and ink piling. It contains a foaming suppressant and corrosion inhibitors.

Recommended dosage: 3%**. Recommended alcohol dosage: 0 - 5**%

Available in 20L, 200L and 1000L

ANTURA fount 700 - ANTURA fount H700

FOGRA approved fountain solution for web printing on harsh surface. This fountain solution has been developed especially for web printing on lower quality papers. It is compatible with most dampening systems and will reduce the formation of paper residue on blankets.

Recommended dosage: 2 - 4%

Available in 20L, 200L and 1000L

Rehardening component

RC611

Water conditioning agent. RC611 is a water conditioning additive used for adjusting the degree of hardness of demineralised water.

Available in 20L and 200L

BLANKET & ROLLER WASHES

Agfa Graphics offers blanket and roller washes for all applications. From low flashpoint products for purely manual applications to high flashpoint products for heatset presses. Keeping the environment in mind, the new products are aromatic-free and comply with all regulations as outlined by the major press manufacturers in co-operation with FOGRA.

Flashpoint <50°C

QD Wash Plus
Fast drying non-water miscible blanket and roller wash designed for use on small to medium size printing presses. Excellent ink solvency properties, leaving blankets and rollers with an ink receptive surface. QD Wash Plus is suitable for manual application.

Available in 4x5L, 20L and 200L

Xtrawash Plus 40
Highly effective, water miscible blanket and roller wash. Quickly removes ink and lint, leaving blankets and rollers with an ink receptive surface. Suitable for automatic washing systems and manual application. Xtrawash Plus 40 does not contain any aromatics or chlorinated solvents.

Available in 20L and 200L

Autowash Plus
Highly effective, water miscible blanket and roller wash. Quickly removes ink and lint, leaving blankets and rollers with an ink receptive surface. Suitable for automatic washing systems and manual application.

Available in 20L

Omniwash Plus

Highly effective, non-water miscible blanket and roller wash. Quickly removes ink and lint, leaving blankets and rollers with an ink receptive surface. Omniwash Plus is suitable for automatic washing systems and manual application.

Available in 20L and 200L

Flashpoint <100°C

Xtrawash Plus 60

FOGRA approved, water miscible blanket and roller wash. Xtrawash Plus 60 is suitable for automatic washing systems and manual application. Xtrawash Plus 60 contains no aromatic or chlorinated solvents and therefore it is less harmful to both human health and the environment.

Available in 20L, 200L and 1000L

Xtrawash Plus 60E

Xtrawash Plus 60E is a highly effective, water miscible blanket and roller wash. Xtrawash Plus 60E is suitable for automatic washing systems and manual application. Xtrawash Plus 60E contains no aromatic or chlorinated solvents and is therefore less harmful to both human health and the environment.

Available in 20L, 200L and 1000

UV Wash

ANTURA wash UV74A

ANTURA wash UV74A is a water miscible, medium drying wash, specially designed for the
removal of UV and EB curable ink from blankets and ink rollers. The UV and EB curable ink is
quickly and easily removed whilst maintaining the condition of the rubber surfaces. ANTURA
wash UV74A is suited both for manual and automatic application. ANTURA wash UV74A is
safe for EPDM rubber.

Available in 20L and 1000L

REJUVENATORS

Rejuvenators are used to restore rubber rollers to good condition. During the printing process calcium residue and ink components are absorbed by the rubber rollers. If these rubber rollers are not cleaned on a regular basis, the ink receptive surface of the roller will become filled with various kinds of residue. This will cause the blanket to be glazed and non-ink receptive. To maintain the ink receptivity of the rubber, rejuvenators (sometimes also called deglazers) are used on a regular basis to keep the rubber in good condition.

Daily use

Reviverol Plus

Blanket & roller rejuvenator for everyday use. Removes ink and calcium residues from the rubber pores and leaves blanket and rollers with a velvet-smooth, ink receptive surface.
Available in 6x1L

Weekly Use

Reviverol Extra

Premium blanket & roller rejuvenator. Reviverol Extra, when mixed with water, removes all residues of varnish, gum glaze, ink, pigment deposits, paper lint, calcium carbonate and magnesium salts and extends the lifetime of blankets and rollers.
Available in 6x1L

GUMS
Manual and machine gums

Gums are used to protect the plate from oxidation or other damage that may occur between development and press. Agfa Graphics's extensive range of gums are easy to use and are quickly removed when the plate is on press. Storage gums form a thin film on the plate and provide the necessary plate protection for a storage period of up to 6 months.

Aragum RC71

Aragum RC71 is a ready-to-use arabic gum for multiple uses in the pressroom. It can be used on all plates, but only manually. Aragum RC71 protects the surface of the printing plate for 1 to 6 months (long term storage). It is not used in the prepress area, but is specifically designed to be used over the inked plates on the press. Aragum RC71 is not compatible with silver plate technologies such as :Lithostar.
Available in 10L

G643b

G643b is a ready-to-use gum for long term storage (1 to 6 months). It is mainly used as a storage gum for :Lithostar plates. G643b is only used manually.
Available in 4x1L

Newsfin RC794

Newsfin RC794 is a machine finisher for newspapers. It is a low viscosity gum, compatible with all offset plates. The product forms a thin and even film on the plate, allowing quick removal of the gum before printing. Newsfin RC794 can be used for storing plates for 1 to 2 weeks. This gum can only be used in automatic processors.
Available in 10L, 20L and 200L

RC795

RC795 is a ready-to-use gum for offset plates. The product is used when plates need to be stored for no longer than 1 to 2 weeks. Although developed as a machine finisher, RC795 can also be used for manual application.

Available in 10L, 20L and 200L

RC795A

RC795A is a ready-to-use machine finisher for Amigo TS plates. The product is used when plates need to be stored for no longer than 1 to 2 weeks. Although developed as a machine finisher, RC795A can also be used for manual application.

Available in 20L

Stabigum RC73

Stabigum RC73 is a manual finisher and storage gum, which can be used on all plates. It has excellent desensitising properties and protects the plate surface for 1 to 6 months (long term storage). Stabigum RC73 can only be used manually. It is not intended for the prepress area, but is specifically designed for on-press use with cleaned plates.

Available in 10L

Unifin

General purpose gum. Unifin is a low viscosity finisher for all offset plates. It is a general purpose gum, which protects the surface of the printing plate for 1 to 2 weeks (short term storage). Although developed for machine use, Unifin can also be used manually.

Available in 10L and 20L

Baking gums

RC510

RC510 is a ready-to-use aqueous solution which protects plates during baking. It can also function as a storage gum to protect the surface of the printing plate for 1 to 7 days (short term storage).

Available in 10L and 20L

RC520

Baking solution for non-thermal plates. RC520 is a ready-to-use aqueous solution which protects plates during baking. It can also function as a storage gum to protect the surface of the printing plate for 1 to 7 days (short storage).

Available in 10L

CORRECTION MATERIALS

For small deletions and additions, Agfa Graphics offers the correct product. As the composition of every plate is different, there is a specific deletion and addition pen/gel for every Agfa plate.

Deletion gel

KP23

Deletion Gel for thermal and positive analogue plates
Available in 6x0.1L

Correction fluid

KN250

Correction fluid for negative analogue plates
Available in 6x0.1L

KP273

Deletion Fluid for most thermal and analogue positive plates
Available in 6x0.1L

Correction pens

KP010 - KP011 - KP012
Deletion pen for positive thermal plates.
This pen is available with fine, medium and broad tip
Packed per 3 pens

KN025 correction pen
Deletion pen for negative analogue plates. This pen is available with medium tip.
Packed per 3 pens

Polymer deletion pen (broad & medium tip available)
Packed per 3 pens

Energy Elite deletion pen (broad & medium tip available)
Packed per 3 pens

KC091 addition pen (broad tip)
Packed per 3 pens

SPECIALITIES

To keep the printing process under control, there is a need for a specific product to solve a specific problem. Removing dried ink, temporarily repair a blanket or any other problem that might occur, Agfa Graphics can offer the right solution.

B.C.I. IMAGING

Antura Oxy Clean
Microbiological cleaning product

To be used when a bad smell or mucus sludge occurs. The Oxy Clean solution in
water is very effective towards a wide range of microbiological organism such as
bacterial and algea. This product is safe towards all processor components. Oxy Clean is
effective towards disinfection of gum cleanout sections - gum sections of
conventional plate processors - water rinse sections of conventional plate processors.
Available in 16x75gram / Suitable for 4 washes or 8 rinses

No Foam RC31
Anti foaming agent
Available in 6x0,1L

Decal Plus
Acidic cleaning solution designed to remove excessive calcium and
magnesium residue from rollers and blankets.
Available in 4x1L

Xchange
Efficient cleaning liquid for ink rollers
Available in 6x1L

Dampakleen Plus
Cloth damper cover cleaner
Available in 4x5L

Rolkleen
Dampening rubber roller cleaner
Available in 6x1L

InkStripper Plus
Powerful solvent designed to quickly remove hardened conventional ink
and coating deposits from blanket and rollers.
Available in 4x5L

ALTEC T236
Photopolymer processor cleaner.
Available in 10L

Processor Cleaner
Processor cleaner for all other processors.
Available in 20L

Dampening System Cleaner
Powerful cleaner for dampening systems in offset presses.
Available in 20L

Universal key
A Universal Key to open jerrycans (10L, 20L & 200L)

Agfa Graphics Pressroom Supplies.
A secure way to work with Agfa plates.

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Processor Cleaner

Specialities

Cleaning solution for positive thermal plate processors.

Pro 1 x 20 Litre: **Art.code** P745Q

Processor Cleaner is an acidic cleaning agent for processors. Although developed for use in processor used in conjunction with :Energy Elite plates. Processor Cleaner can also be used in most standard processors. AGFA strongly recommends to use Processor Cleaner, because other products could damage plate coating, rollers, pumps or pipes.

Working instructions

- Drain the old developer – if applicable, empty filter housing and remove filters.
- Rinse the developer station with water.
- Remove the brushes or plush rollers from the developer station.
- Because residues from coating or cleaning agents may lead to a bad plate developing, brushes and plush rollers should be cleaned thoroughly in a sink under flowing water.
- Replace all transport rollers and fill the developer station up to the normal level with the cleaning solution.
- Activate circulation and transport for about 30 minutes and, if possible, heat the cleaning solution to 30 °C.
- Depending on the processor type this may require frequent plate feeding to activate the input sensor.
- Clean the transport rollers (using e.g. a sponge).
- Drain the cleaning solution – if applicable, also empty filter housing.
- Remove the remaining residues and deposits, especially on the heating element, with jet of water or brush and sponge.
- Rinse the tank and the transport rollers thoroughly with water and then fill the developer section to the normal level with water. Activate circulation and transport for about 5 minutes to remove residues of cleaning solution from the pump circuits.
- Drain the water – if applicable, also empty filter housing.
- If the transport rollers are not properly clean, remove them and clean them with cleaning solution and a sponge in a sink.
- Then rinse them thoroughly with water again.
- Install all transport rollers and brushes.
- The plush rollers should ideally be dry.
- Depending on processor and tank volume, fill the tank with enough fresh developer or replenisher to enable circulation.
- Then activate circulation and transport for about 5 minutes to remove and neutralise the residues of cleaning solution and water from the pump circuits and pipes.
- Wet also the brushes or plush rollers thoroughly with this fresh developer.
- After draining, empty filter housing and fit new filters.
- Fill the processor with fresh developer up to the normal level.

Remarks

Cleaning transport rollers:

- The rollers must not be cleaned with metal brushes, sharp tools (knifes, cutters, scrapers) or steel-wool, because this damages the surface and leads to poor development behaviour of the processor.

Cleaning bristle brushes (e.g. Autolith LDT, G&J Raptor...):

- The cleaning of the bristle brushes should be done with water in a suitable sink. The brushes must not be dried lying on their bristles as this will flatten the bristles.

Cleaning plush rollers (e.g. Autolith TP, ...):

- A thorough cleaning should be made with water in a suitable sink. If the plush cover is not fixed securely on the roller core then please tighten it properly

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

QD Wash Plus

Washes

Quick drying blanket & roller wash

Pro 4 x 5 Litres: **Art.code** PYHAH
Pro 20 Litres: **Art. code** PYG8B
Pro 2 x 200 Litres: **Art. code** PYG9D

QD Wash Plus is a fast drying non-water miscible blanket and roller wash designed for use on all small to medium size printing presses. It has excellent ink solvency properties, leaving blankets and rollers with an ink receptive surface. QD Wash Plus is suitable for manual application.

Working instructions

Manual use: Blankets / Ink rollers
- Apply wash with a lint free cloth, evenly covering the whole surface.
- Allow to evaporate before starting to print.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Main characteristics
- Suitable for manual use.
- Non-water miscible.
- Cleans quickly and thoroughly.
- Reduces blanket tack.
- Prevents oxidation and swelling of the rubber.
- Keeps rollers and blankets ink-receptive.

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations

Properties

Chemical	Appearance	Colourless
	Classification	A II
	Flashpoint	34 °C
	Density (25°C)	0,810 kg/Litre
	VOC content	100%
	Aromatic free	✘
Press	Business forms web	✘
	Coldset web	✘
	Heatset web	✘
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Strong
	Drying speed	Fast
	Water miscible	✘
	Automatic wash	✘

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Washes

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Digital plate technology						
Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

Aragum RC71

Gums

Arabic Gum Solution (on press)

Pro 10 Litres: **Art. code** R422K

RC71 is a very hydrophilic machine finisher with low pH. It protects the surface of the printing plate for 1 to 7 days (short term storage). RC71 can be used on all plates. It forms a thin and even film for optimum plate protection. Although developed for machine use, RC71 can also be used manually.

Working instructions

Manual application
- Clean the plate with water.
- Apply the finisher-gum over the ink in a thin equal layer, covering the whole plate surface.
- Wash out the ink with (pure) washing solvents.
- Do not use on silver plate technologies such as :Lithostar.

Main characteristics
- Ready-to-use.
- Designed for manual application.
- Can be used on inked plates.
- Easy to use.
- Arabic gum based.
- Long term storage.
- Excellent film properties.

Physical properties (Concentrated solution)

Appearance	Brown solution
Density	1,05 kg/litre
Viscosity	+/- 15 cP
pH (25°C)	4.4
Gum substance	Arabic gum

Plate storage (golden rules)
Before printing, store the plates in a dry and heated place. Recommended storage conditions are:
- temperature between 18 and 24 °C (64 and 75 °F).
- relative humidity < 70 %.
- Image side against image side, separated by interleaving paper.
- Verify that the humidity of the interleaving paper is not too high.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Safety
Read MSDS before using this product.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 36 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

Gums

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	n/a	✓	✓	n/a	✗

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

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RC510

Baking gum

Gums

Pro 10 Litres: **Art. code** K9D5R

RC510 is a ready-to-use aqueous solution which protects plates during baking. It can be put on the plate surface in a conventional plate processor. Although developed for machine use, RC510 can also be used manually. It can also function as a storage gum, to protect the surface of the unbaked printing plate for 1 to 7 days (short term storage).

Working instructions

Machine application
- Fill the processor according to the instructions.
- Replenish regularly with concentrated finisher to maintain the level in the processor tank.
- Optimise dryer settings to avoid viscosity increase.

Manual application
- For plate storage after printing, clean the plate with water and plate cleaner.
- Apply the finisher-gum in a thin equal layer over the whole plate surface.
- Buff down with a lint-free cloth, to form a thin, even film.
- Allow to dry.

Main characteristics
- Ready-to-use.
- Designed for manual and automatic application.
- Easy to use.
- Baking gum (prevents dot growth and toning).
- Short term storage of unbaked plates.
- Compatible with all baking ovens.
- Can be used in all types of processors.

Physical properties (Concentrated solution)

Appearance	Brown solution
Density	1,04 kg/litre
Viscosity	+/- 3,4 cP
pH (25°C)	6.71

Plate storage (golden rules)
Before printing, store the plates in a dry and heated place.
Recommended storage conditions are:
- temperature between 18 and 24 °C (64 and 75 °F).
- relative humidity < 70 %.
- Image side against image side, separated by interleaving paper.
- Verify that the humidity of the interleaving paper is not too high.

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 36 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

Gums

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
n/a	✘	✘	✔	✘	✔	✘	✔	✘	✔

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✘	✔	n/a	✔	✔	n/a	✘

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✘	✔	✘	✘	✔	✘

RC520

G u m s

Baking solution

Pro 10 Litres: **Art. code** K9DYE

RC520 is a ready-to-use aqueous solution which protects plates during baking. It can be put on the plate surface in a conventional plate processor. Although developed for machine use, RC520 can also be used manually. It can also function as a storage gum, to protect the surface of the unbaked printing plate for 1 to 7 days (short term storage).

Working instructions

Machine application
- Fill the processor according to the instructions.
- Replenish regularly with concentrated finisher to maintain the level in the processor tank.
- Optimise dryer settings to avoid viscosity increase.

Main characteristics
- Ready-to-use.
- Designed for manual and automatic application.
- Easy to use.
- Baking solution (prevents dot growth and toning).
- Can be used in all types of processors.

Plate storage (golden rules)
Before printing, store the plates in a dry and heated place.
Recommended storage conditions are:
- temperature between 18 and 24 °C (64 and 75 °F).
- relative humidity < 70 %.
- Image side against image side, separated by interleaving paper.
- Verify that the humidity of the interleaving paper is not too high.

Physical properties (Concentrated solution)

Appearance	Colourless solution
Density	1,04 kg/litre
Viscosity	+/- 1.7 cP
pH (25°C)	5.16

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 36 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

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Gums

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
Azura TS	Amigo TS	Thermostar P970	Thermostar P970 baked	Energy Xtra	Energy Xtra baked	Energy Elite	Energy Elite baked	Energy Elite Pro	Energy Elite Pro baked
n/a	✘	✘	✘	✘	✘	✘	✘	✘	✘

Visible light							
Aspire	Aspire baked	Azura-Vi	N91v	N94v	N94-VCF	Lithostar Ultra
✘	✔	n/a	✔	✔	n/a	✘

CtCP plate technology			Analogue plate technology		
Aluva P	Aluva P baked	Aluva N	Meridian P55	Meridian P55 baked	Zenith N555
✘	✔	✘	✘	✔	✘

RC795

Gums

General Machine finisher-gum

Pro 4 x 5 Litres: **Art. code** 4MDBX
Pro 10 Litres: **Art. code** K9DWA
Pro 20 Litres: **Art. code** K4SM5
Pro 2 x 200 Litres: **Art. code** K4SN7

RC795 is a ready-to-use machine finisher for offset plates. The product is used when plates need to be stored for no longer than 1 to 2 weeks. Although developed as a machine finisher, RC795 can also be used for manual application.

Working instructions

Machine application
- Fill the processor according to the instructions.
- Replenish regularly with concentrated finisher to maintain the level in the processor tank.
- If necessary replenish with diluted finisher (1:1). Depending on the processor type, finisher-gum can be diluted 1:1, which may however have an adverse effect on storage.
- Optimise dryer settings to avoid viscosity increase.

Manual application
- For plate storage after printing, clean the plate with water and plate cleaner.
- Apply the finisher-gum in a thin equal layer over the whole plate surface.
- Buff down with a lint-free cloth, to form a thin, even film.
- Allow to dry.

Main characteristics
- Ready-to-use (can be diluted up to 1/1).
- Designed for machine application (Manual application possible).
- Low viscosity gum.
- Medium-term storage.
- Compatible with all plates.
- Excellent film properties.

Physical properties (Concentrated solution)

Appearance	Brown solution
Density	1,07 kg/litre
Viscosity	+/- 3,1 cP
pH (25°C)	2,9
Gum substance	Synthetic Dextrine

Plate storage (golden rules)
Before printing, store the plates in a dry and heated place.
Recommended storage conditions are:
- temperature between 18 and 24 °C (64 and 75 °F).
- relative humidity < 70 %.
- Image side against image side, separated by interleaving paper.
- Verify that the humidity of the interleaving paper is not too high.

Waste
Dispose in accordance with local and national regulations.

Safety
Read MSDS before using this product.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 36 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

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Gums

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	n/a	✓	✓	n/a	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

Reviva Plate

Scratch Remover (Liquid repair solution)

Plate care

Pro 6 x 1 Litre: **Art.code** PYKWZ
Reviva Plate pen 1x3 pcs: **Art.code** EXGMX

Reviva Plate is an alkaline desensitising solution for repairing scratches and abrasions on all different types of presensitised offset aluminium plates. Reviva Plate should not be allowed to come into contact with the image on unbaked plates. Contact with image area can cause damage. Reviva Plate prevents ink sensitivity in deleted areas. **Reviva Plate is available in a pen for easier on press application.**

Working instructions

As a scratch remover/desensitiser on the press:
- Only applicable in non-image areas
- Remove the ink from the affected area using a suitable plate cleaner.
- Wash off with water leaving the plate only slightly damp.
- Apply Reviva Plate using a cotton wool swab, cloth or wipe and work over the effected area .
- Buff dry and if possible use warm air to completely dry the surface.
- Re-start the press without washing with water.

On deletions:
- Mainly applicable on negative working analogue plates
- When the deletion has been completed, wash off the deletion fluid
- Apply Reviva Plate to the damp plate, over the deleted area.
- Buff dry, again use a warm air dryer if possible to completely dry the surface.
- Apply finisher/gum if required.

Warning

Reviva Plate has an alkaline pH. If left in contact for prolonged periods, damage may occur to image areas of positive plates.

Main characteristics
- Alkaline desensitising solution.
- Repairs scratches in non image areas on all printing plates.
- Prevents deleted areas from becoming sensitised.

Physical properties

Appearance	Colourless solution
Density	1.007 kg/litre
pH (25°C)	12.7

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 18 months from date of manufacture.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Safety
Read MSDS before using this product.

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Plate care

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓	✓	✓	✓	✓	✓	✓ *	✓	✓ *	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

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RolKleen

S p e c i a l i t i e s

Dampening rubber roller cleaner

Pro 6 x 1 litre: **Art.code** PYNMR

Rolkleen is a blend of chemical solvents and surface active agents which, when used as recommended, will remove contaminants and ink residues from chrome, steel and rubber bareback dampening rollers. Regular use of Rolkleen will enhance the hydrophilic properties of the roller surface, making it less susceptible to ink pick-up and thereby helping to reduce the problems associated with contaminated dampening rollers.

Working instructions

- Apply Rolkleen to the rollers with a clean cloth or wipe.
- Rubb in well, until the entire surface is clean and the pores are free.
- Use a clean slightly damp cloth to wipe off completing the washing treatment.
- Wipe dry before starting the press.

Remark

It is important not to allow the solution to come in contact with the printing plate surface.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Agfa plate compatibility

RolKleen may NOT come in contact with the printing plate surface.

Main characteristics

- Designed especially for use on bareback dampening rollers.
- Improves hydrophilic properties of rollers.
- Water miscible.
- Removes the ink effectively.
- Prevents unwanted ink build up.

Properties

Chemical	Appearance	Blue emulsion
	Flashpoint	>62˚C
	Density (25°C)	0,958 kg/Litre
	VOC content	73%
Press	Business forms web	✓
	Coldset web	✓
	Heatset web	✓
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Strong
	Drying speed	Very fast
	Water miscible	✓
	Automatic wash	No

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:SelectJet
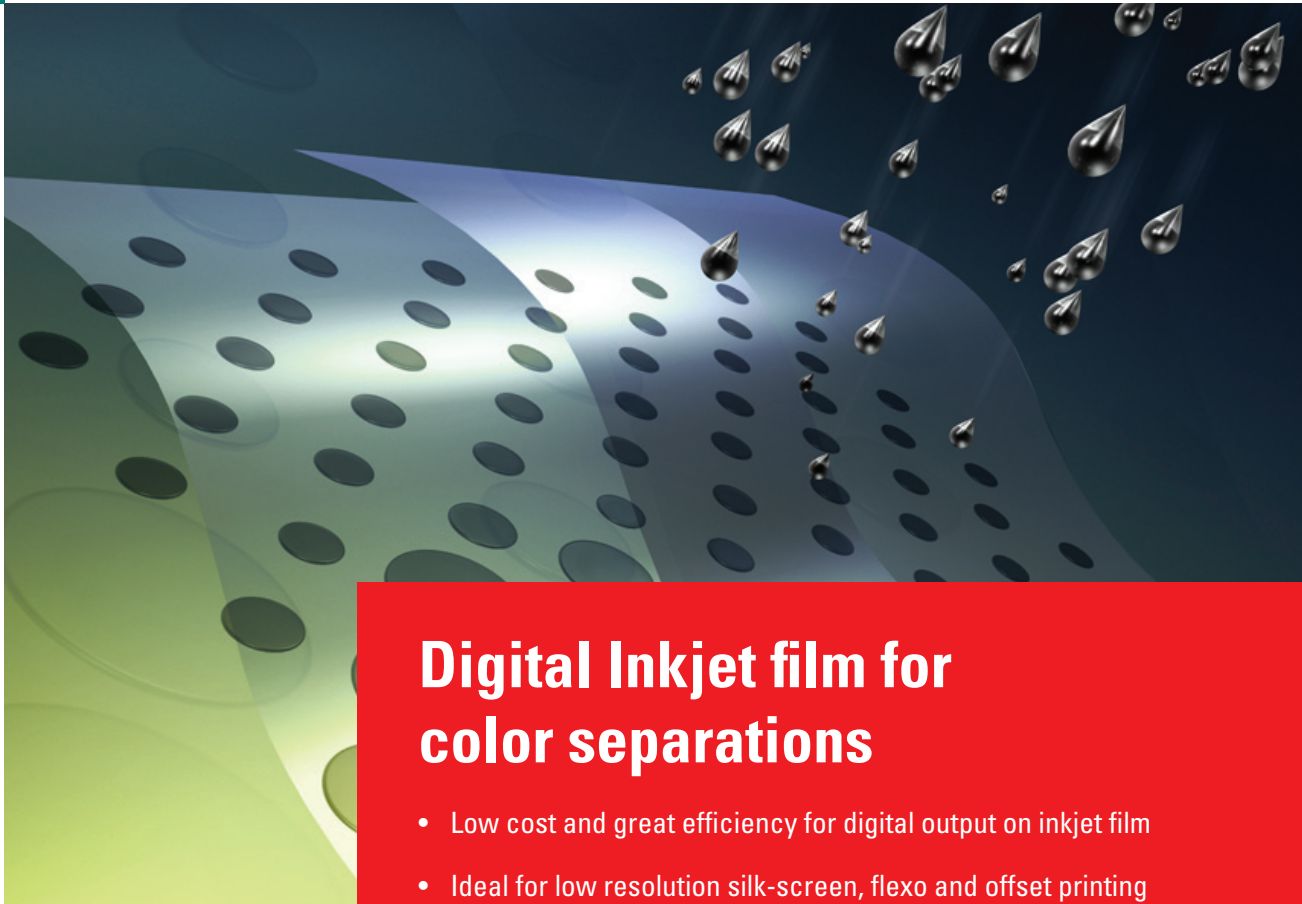
Digital Inkjet film for color separations

- Low cost and great efficiency for digital output on inkjet film

- Ideal for low resolution silk-screen, flexo and offset printing

- For use in Piëzo printers like Roland, Epson and Mimaki

- Ecological: No chemical processing

- Roll finished material, easy handling, low production cost

:Selectjet is the inkjet film for making color separations for screen printing, flexo and low end offset.

Film characteristics

:SelectJet film is particularly suitable for producing colour separations. The film has a special ink-receiving layer for optimum ink acceptance. Black dye-based or pigmented inks can be used.
The stabilised Agfa polyester base and the special top layers enable the highest registration accuracy to be obtained with different plotter types.

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:SelectJet

Benefits

:SelectJet is a polyester based film for inkjet
- No chemistry handling, for better ecology.

It is a superior film for the silk-screen printing and corrugated flexo markets.
- Traditionally low resolution pre-press operations.

:SelectJet is a product that matches the customers' needs
- Film for a complete digital workflow.
- Low investment in equipment: an inkjet plotter and RIP
- Need for an easy and fast production line.
- Low operator skills.

:SelectJet is a film for making superior color separations.
- It has optimal ink acceptance and high registration accuracy in inkjet plotters.

Technical features

:SelectJet is coated on a 100 μ thick polyester base.
- The ink is printed on a thin receiver layer and diffuses to the absorption layer

The absorption (thickness ca. 35 μ) has important characteristics:
- Quick absorption of the inks
- Good adhesion to the polyester base

Application: SelectJet can only be used with "WATER" based inks
- Dye and pigmented inks, with practical UV-density higher than D 3,0

:SelectJet can be used in different printers
- Qualified printers are Roland, Epson and Mimaki

Plotter types

Optimum image quality is obtained with a range of plotter types.
Contact your local Agfa representative for the complete list of plotters giving acceptable image quality.

Feature	:Selectjet
Film type	0.1mm thick polyester based film with a special layer for: - Good ink Acceptance and dot reproduction. - Excellent drying characteristics, instantly dry after plotting. - Good water resistance Matting grains for good vacuum and better image copying. Prevents sticking and ink spread. Guaranty good registration accuracy.
Inks	Accepts Dye (recommended) and pigmented inks.
Rip	A specific RIP for colour separations is required. Recommended Rip is Wastach Softrip SP.
Screen ruling	Depending on the system characteristics goods results can be obtained with screen rulings between 40lpi and 100lpi.
Photographic characteristics	Low Dmin: 0.06 / UV: 0.13 High Dmax: - Dye inks: visual up to 4.00 / UV up to 3.80 - Pigmented inks: visual up to 3.70 / UV up to 4.00 Excellent dot sharpness. Dotgain on 50%dot: depended resolution setting / + 15% at 50lpi.
Store conditons	Preferable in a cool and dry place. Temperature blow 20°C (68°F) and a relative humidity between 30% and 60%. Shelflife is 30 months.

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Contact your local Agfa representative for more information.
An updated list of our sales organization is available on www.agfa.com

:Setprint Plus
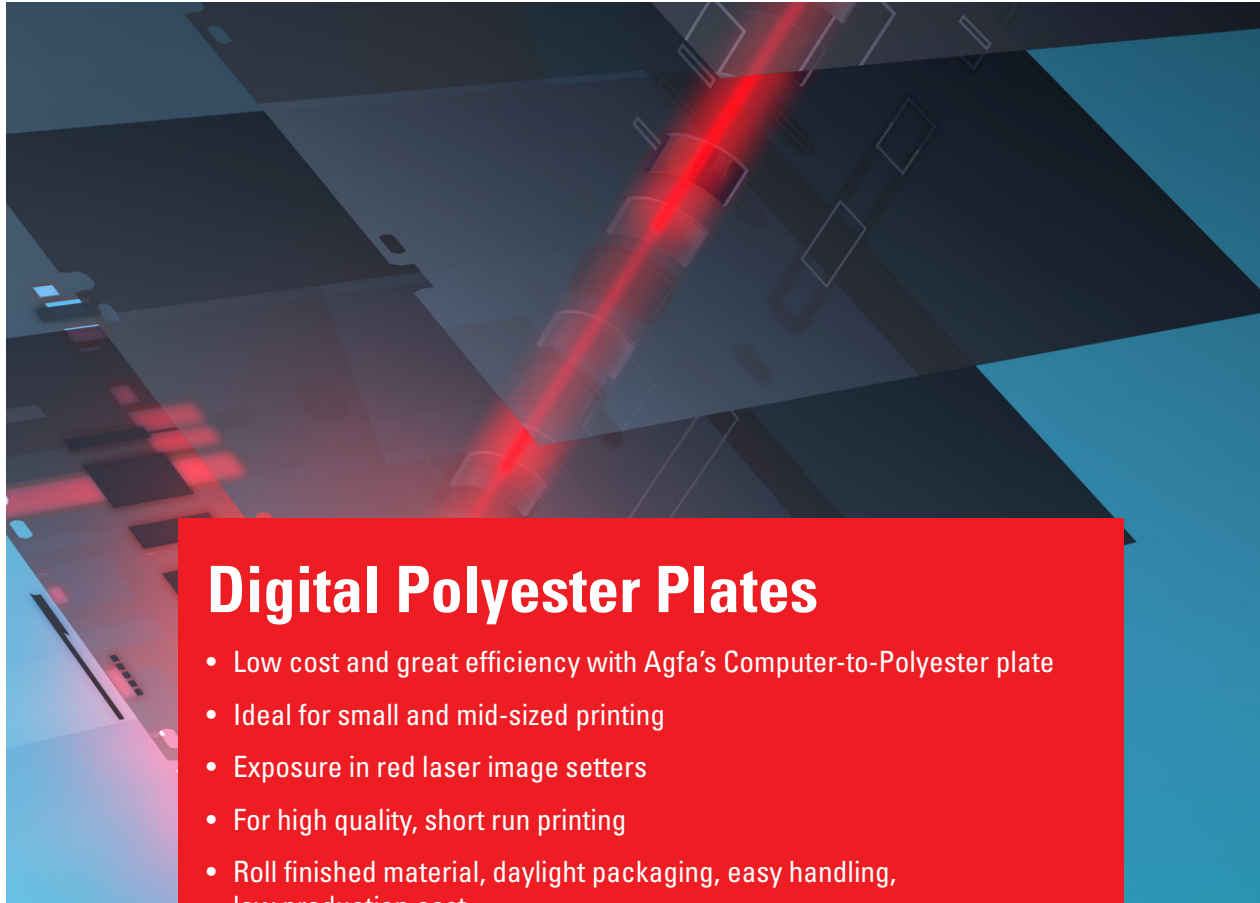
Digital Polyester Plates

- Low cost and great efficiency with Agfa's Computer-to-Polyester plate

- Ideal for small and mid-sized printing

- Exposure in red laser image setters

- For high quality, short run printing

- Roll finished material, daylight packaging, easy handling, low production cost

- Exceptional accuracy on press makes it suitable for 4-colour applications

:Setprint: the most profitable ctp-plate for high-quality printing

:Setprint Plus is designed for accurate high quality short-run printing.
:Setprint Plus can image 175 line screens, and can print up to 20,000 impressions - making it right for a wider range of jobs in the shorter-run marketplace.

High quality results

:Setprint Plus provides the exceptional accuracy and on-press performance that enable it to provide high-quality printing up to 175lpi. :Setprint Plus has a broader screen dot range than any other polyester plate, achieving higher levels of quality on press.

The right run length

The demand for short-run offset printing is considerable. Clients want more customized, targeted print pieces. With :Setprint Plus, you can print up to 20,000 impressions - all with the same high level of quality.

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:Setprint Plus
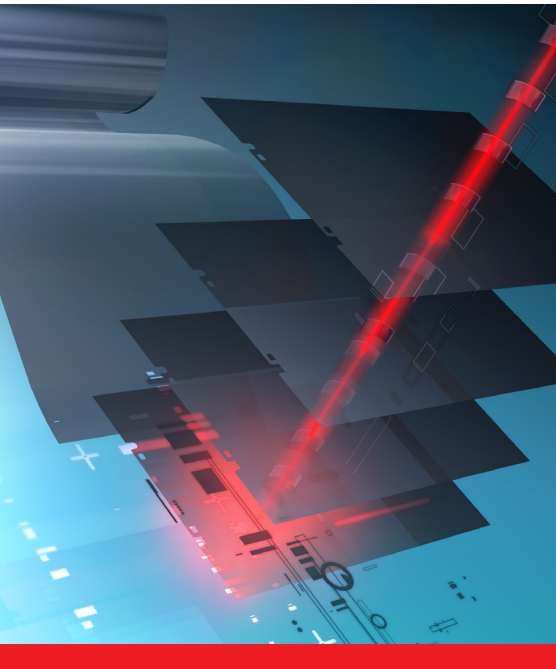
Excellent press performance for 2 and 4 up size

The substrate thickness of the plate strongly determines the registration accuracy on press. :Setprint SetR0.20 is equipped with an exceptional thick base for optimized behavior and registration on press. :Setprint plates mount easily. You can use them on the same presses as metal plates - and with the same inks. Its advanced coating requires a minimum amount of fountain solution additive. :Setprint Plus performs like a metal plate, you can mix metal to polyester plates on the same press - quickly and easily.

Exceptional durability

The newly engineered surface coating gives :Setprint Plus lithographic characteristics similar to those of a metal plate. With exceptional ink/water balance, :Setprint Plus offers excellent water receptivity and ink adherence.
For easy, trouble-free use, its surface is stable and scratch resistant.

Easy operations

:Setprint Plus roll finished material, supplied in daylight packaging, can be imaged in any image setter using a red laser diode. :Setprint Plus can be processed in almost any Rapid Access processor. With :Setprint Plus, no additional hardware investment is needed.

Feature	Setpint Plus - SetR0.13 and SetR0.20
Plate type	• Positive-working offset plate on a dimensionally stable polyester base for exposure in HeNe laser or red laser diode image setters • Spectral sensitivity between 630 and 670nm
Gauges	• 0.13 or 0.20mm (5 or 8 mill) setting on press • 100μ or 185μ thickness of base
Assortment	• Roll finished material in a variety of widths and core sizes to fit on all imagers and presses • Daylight system
Processing Steps	• 2 bath system: Activator G5200b & Stabilizer G5400b
Process conditions	• 20 second development time • G5200b: 30°C +/- 2°C • G5400b: room temperature • Replenishment rate: 120ml/m_ for Activator and Stabilizer • Bath life is 2 to 4 weeks depending on volume
Press chemicals	• Fountain: G 648c (1 to 5%) • Anti-tone additive: G641AD • Corrections: :Setprint/Supermaster Deletion pen & Addition pen • Plate cleaner: Antura CTP plate cleaner
Store conditions	• Prior to processing: 24months after manufacturing date, store below 20°C • After processing: 2 weeks on condition plates are protected from light
Run Length	• 20.000 prints
Resolution on press	• 5% - 95% at 175lpi

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Stabigum RC73

Gums

Manual Application Gum for Use in the Pressroom

Pro 10 Litres: **Art. code** K9DV7
Pro 20 Litres: **Art. code** K4SL3

Stabigum RC73 is a manual finisher and storage gum, which can be used on all plates. It has excellent desensitising properties and protects the plate surface for 1 to 6 months (long term storage). Stabigum RC73 can only be used manually. It is not intended for the prepress aera, but is specifically designed for on-press use on cleaned plates.

Working instructions

Manual application

- For plate storage after printing, clean the plate with water and plate cleaner.
- Apply the finisher-gum in a thin equal layer over the whole plate surface.
- Buff down with a lint-free cloth, to form a thin, even film.
- Allow to dry.

Plate storage (golden rules)

Before printing, store the plates in a dry and heated place.
Recommended storage conditions are:
- temperature between 18 and 24 °C (64 and 75 °F).
- relative humidity < 70 %.
- Image side against image side, separated by interleaving paper.
- Verify that the humidity of the interleaving paper is not too high.

Safety

Read MSDS before using this product.

Main characteristics

- Ready-to-use.
- Designed for manual application.
- Desensitizing properties.
- Long-term storage.
- Compatible with all plates.
- Excellent film properties.

Physical properties (Concentrated solution)

Appearance	Brown solution
Density	1,17 kg/litre
Viscosity	+/- 35 cP
pH (25°C)	4.5
Gum substance	Synthetic Dextrine

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 36 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

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G u m s

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

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B.C.I.
IMAGING

SUPERMASTER Plus

Take a leap towards affordable print jobs.

By eliminating film intermediates, the Supermaster Plus direct-to-plate system streamlines the offest platemaking process and delivers high-quality results for black & white and spot colour jobs, up to 20,000 impressions.

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Supermaster Plus
All the advantages of Supermaster
and more...

The right Quality
for the right Job.

Producing quality print work within your reach, provided you can rely on the latest technology. Supermaster Plus is such a material.

Supermaster Plus gives you big production advantages for all your **black & white** and **spot colour jobs**, up to **20.000** impressions.

Supermaster Plus
saves time and money

No intermediate film, no metal plates burning, less chemistry use.
You expose your paper paste-up in a daylight platemaker, directly onto your Supermaster Plus Plate. Productivity is the result.

Supermaster Plus
offers ultimate compatibility

No need to invest in new equipment. Simply load your existing camera platemaker (Mitsubishi, Itek, AB-Dick, Purup-Eskofot and Agfa of course) with the Supermaster Plus material and its chemistry, and off you go.

Supermaster Plus
Impressive benefits

Supermaster Plus gives you optimum system stability

Supermaster Plus' chemistry doesn't need a regenerator. The result is an excellent chemistry life and great print performance.
This long chemistry life is even guaranteed with irregular plate production.
Simplicity and reliability is what it's all about with Supermaster Plus.

Supermaster Plus gives you flexibility on the press

An excellent ink/water-balance is the result of the new and patented plate structure.
The advantage for you is fast ink roll-up and a high toning resistance. In addition, intermixing polyester and aluminium plates on the same press works flawlessly without having to change the fount solution.
The Supermaster Plus plate performs well on presses with conventional and integrated dampening systems.

Supermaster Plus guarantees your print quality

The dimensional stability of the Supermaster Plus polyester plates (they come in 0.13 and 0.20 mm thickness) gives top results for black & white and spot colour work up to 20,000 copies.
The paper plate will give you upto 10,000 impressions.
Flawless halftone reproduction, sharp lines and dense solids is what you can expect for your single and two-colour jobs.

Supermaster Plus the obvious choice for a variety of jobs

Supermaster Plus responds to the needs of all types of printers: quickprinters, in-plant operations, book- and financial printers or commercial printers looking to eliminate intermediate film for short-run jobs, without comprimising the quality.
Black and white price-lists, 2 colour leaflets, in-house papers and newspapers. Wall charts and books.
With Supermaster Plus printing plates, you can do any or all of them.

Supermaster Plus
Great features

- Opaque polyester (SFO) and
  paper plates (SP) for daylight operation
  for most camera platemakers.

- Crisp halftones from 5 to 90% at 133 lpi.

- Extremely long chemistry life
  even with irregular daily plate production.

- Superior press behavior thanks to very good
  ink/water balance.

- Fast ink roll-up and high toning resistance.

- Outstanding offset quality with sharp lines
  and dense solids

- Wide exposure and development latitude.

- No starter required in regular operating
  conditions.

- B/W and spot colour applications for run
  lengths up to 20,000 (polyester) and
  up to 10,000 impressions for paper plates.

- Complete pre-press package available
  from Agfa.
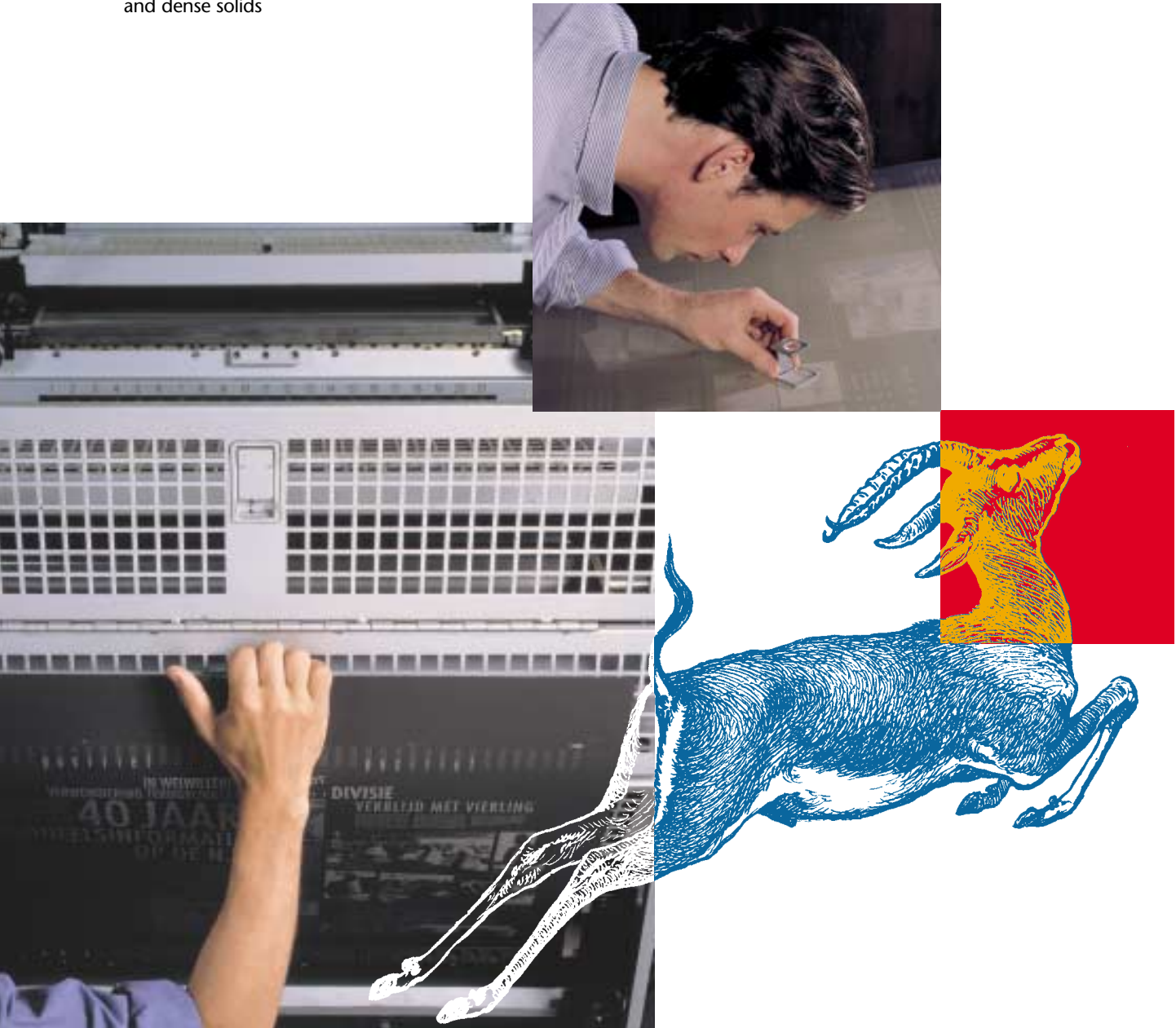
Supermaster Plus
The filmless print system

Paper paste-ups are directly exposed onto the
opaque polyester (SFO) or paper plate (SP) and
developed in any platemaker in one go.

Assortment

MATERIAL		
	BASE	THICKNESS
SFO 0.13	Opaque polyester	0.13 mm (5 mil)
SFO 0.20	Opaque polyester	0.20 mm (8 mil)
SP	Paper	0.20 mm (8 mil)

CHEMISTRY	
ACTIVATOR	G 5200 b
STABILISER	G 5400 b
FOUNT SOLUTION	G 671c / G 648 c
ANTI-TONE ADDITIVE	G 641 AD
CORRECTIONS	deletion pen G 5612 b
	addition pen G 5640 b
PLATE CLEANER	G 642 b
STARTER	G 5900 b

www.bciimage.com

B.C.I.
IMAGING

866 971-1008

SUPERMASTER Plus

Agfa is the obvious choice with top quality systems to cover all your pre-press needs: cameras, line and halftone materials, recording systems and films as well as platemaking including press accessories.
And with Agfa's experience, technology and expertises we ensure that our products deliver the result you are looking for in terms of cost, quality and productivity.
Our worldwide network of appointed dealers ensures that you're never just supplied with a product, but also with the best support, training and information.

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Compatibility chart printing techniques

Conventional printing techniques

	Offset		Flexo		Screenprint	
	conv.	UV	Water based	UV	solvent	UV
Synaps OM	✓	✓	✓	✓	✓	✓
Synaps XM	✓ *(1)	✓		✓		✓
Synaps OM135/AP Synaps OM135/AR	✓	✓	✓	✓	✓	✓

(1) offset preprinting possible; two colours OK up to 100% image coverage, full color not OK

Digital printing techniques

	HP Indigo sheetfed	Dry toner (2)	Xeikon	Thermal transfer	Large Format Inkjet (3) (4)	
					UV	latex
Synaps OM	✓	x	x	✓	✓	✓*
Synaps XM	x	✓	✓* (5)	✓	✓	x
Synaps OM135/AP Synaps OM135/AR	✓	✓*	not tested	✓	✓	not tested

(2) except KIP printers
(3) Synaps OM and Synaps XM are not suitable for waterbased or solventbased inkjetprinting
(4) Synaps OM and Synaps XM are not suitable for solid ink printers, like e.g. Océ Colorwave
(5) Synaps XM135, XM230 and XM300 only

Legend

✓	compatible
✓*	compatible under certain conditions / with limitations => see recommendations for printing and finishing
x	not compatible
	not relevant

PVC FREE
EASY TO USE
100% POLYESTER

In case no local SYNAPS supplier is available in your country or region, you can order SYNAPS directly at Agfa via mail (ordersynaps@agfa.com).

Synaps
Prints like paper.

AGFA

THD100

Developer

Positive Thermal Developer

Pro 1x 1000 Litres: **Art. code** 4M8XQ
Pro 2x 200 Litres: **Art. code** 4M8YS
Pro 1x   20 Litres: **Art. code** 4M8ZU

General information

THD100 is a strong alkaline developer which is designed for use with Thermostar P970.
THD100 is always used in top-up mode.
This developer gives you the optimal processing latitude.

Special Comments

To be used only in top-up mode.

Processor setting can be found in the Working Instructions of P970.

Safety

Read MSDS before using this product.

http://www.agfa.com/global/en/main/support/msds/

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Main characteristics

- Thermal positive plate developer
- Dedicated for P970
- Strong alkaline solution

Physical properties

Appearance	Clear liquid
Density	1,106
pH (25°C)	13,3
Conductivity (20°C)	83,8 - 93 mS/cm
Shelf life	18 months

Transport

The temperature should be > +4° C

Storage : warehouse

Average temp.	+20°C
Max. temp.	+ 25°C
Min. temp.	+ 4°C

No adjustment of the relative humidity
An increase of the temperature up to 28°C is permitted for a period of max 3 consecutive weeks per year.

General Storage information

- Store in a dry, well ventilated area
- Keep away from heat and direct sunlight
- Keep the containers closed

THD100
DEVELOPER FOR THERMAL POSITIVE PLATES

20 Liter litres e

4M8ZU

/GOE14M8ZU3

D

Ready to use
The color of the solution may change. However, this has no effect on its performance.

Contains Disodium Metasilicate
CAS#6834-92-0

Zawiera Metakrzemian dwusodowy
CAS#6834-92-0

EN Danger
Causes severe skin burns and eye damage. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

DE Gefahr
Verursacht schwere Verätzungen der Haut und schwere Augenschäden. Staub/Rauch/Gas/Nebel/Dampf/Aerosol nicht einatmen. Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen. BEI VERSCHLUCKEN: Mund ausspülen. KEIN Erbrechen herbeiführen. BEI KONTAKT MIT DER HAUT (oder dem Haar): Alle beschmutzten, getränkten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen. BEI EINATMEN: An die frische Luft bringen und in einer Position ruhigstellen, die das Atmen erleichtert. Sofort GIFTINFORMATIONSZENTRUM oder Arzt anrufen. BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

FR Danger
Provoque des brûlures de la peau et des lésions oculaires graves. Ne pas respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols. Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. EN CAS D'INGESTION: rincer la bouche. NE PAS faire vomir. EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau/se doucher. EN CAS D'INHALATION: transporter la victime à l'extérieur et la maintenir au repos dans une position où elle peut confortablement respirer. Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. EN CAS DE CONTACT AVEC LES

YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.

NL Gevaar
Veroorzaakt ernstige brandwonden en oogletsel. Stof/rook/gas/nevel/damp/spuitnevel niet inademen. Beschermende handschoenen/beschermende kleding/oogbescherming/gelaatsbescherming dragen. NA INSLIKKEN: de mond spoelen — GEEN braken opwekken. BIJ CONTACT MET DE HUID (of het haar): verontreinigde kleding onmiddellijk uittrekken — huid met water afspoelen/afdouchen. NA INADEMING: het slachtoffer in de frisse lucht brengen en laten rusten in een houding die het ademen vergemakkelijkt. Onmiddellijk een ANTIGIFCENTRUM of een arts raadplegen. BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk. Blijven spoelen.

ES Peligro
Provoca quemaduras graves en la piel y lesiones oculares graves. No respirar el polvo/el humo/el gas/la niebla/los vapores/el aerosol. Llevar guantes/prendas/gafas/máscara d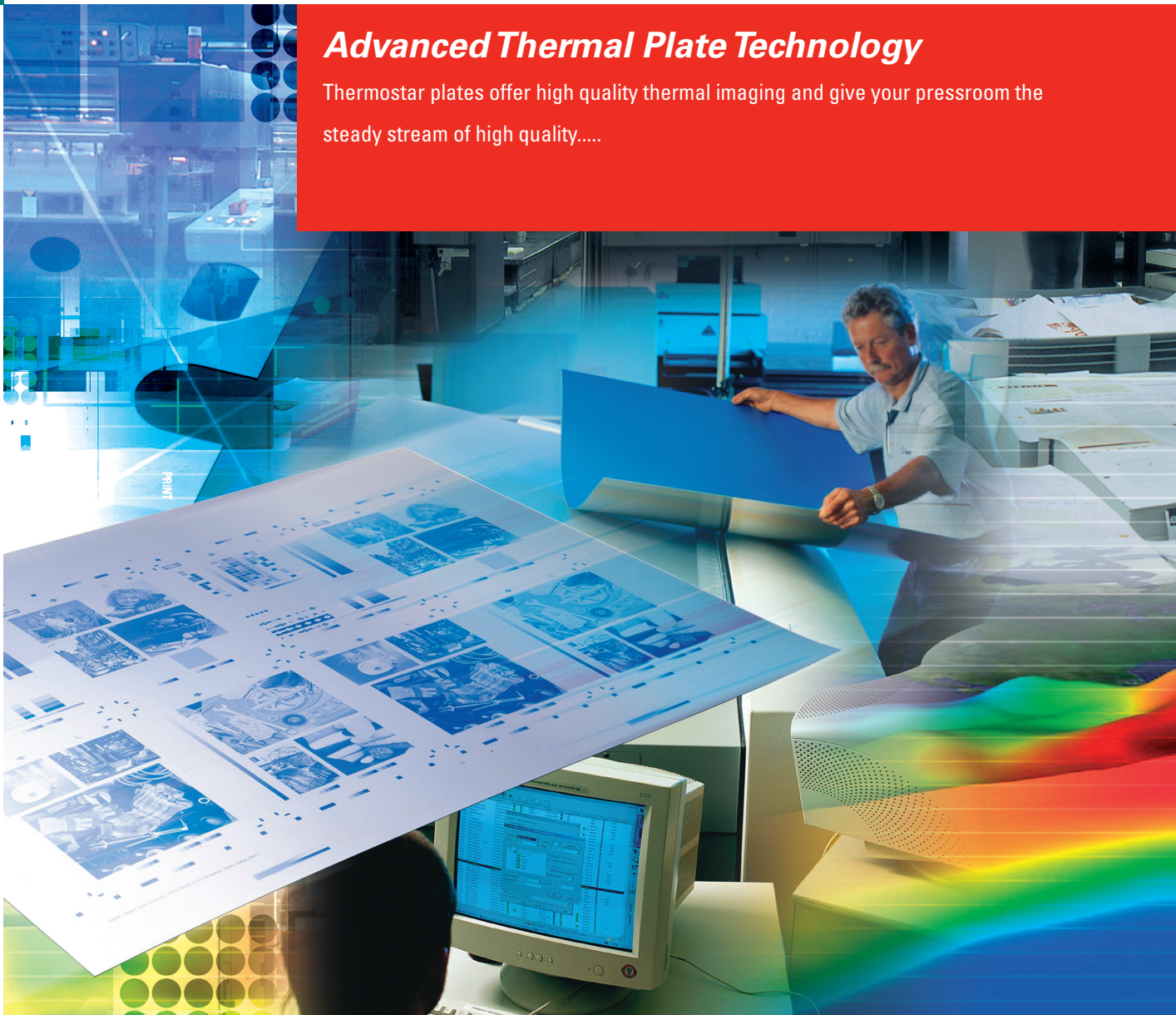e protección. EN CASO DE INGESTIÓN: Enjuagar la boca. NO provocar el vómito. EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitarse inmediatamente las prendas contaminadas. Aclararse la piel con agua o ducharse. EN CASO DE INHALACIÓN: Transportar a la víctima al exterior y mantenerla en reposo en una posición confortable para respirar. Llamar inmediatamente a un CENTRO DE INFORMACIÓN TOXICOLÓGICA o a un médico. EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.

PT Perigo
Provoca queimaduras na pele e lesões oculares graves. Não respirar as poeiras/fumos/gases/névoas/vapores/aerossóis. Usar luvas de proteção/vestuário de proteção/proteção ocular/proteção facial. EM CASO DE INGESTÃO: enxaguar a boca. NÃO provocar o vómito. SE ENTRAR EM CONTACTO COM A PELE (ou o cabelo): despir/retirar imediatamente toda a roupa contaminada. Enxaguar a pele com água/tomar um duche. EM CASO DE INALAÇÃO: retirar a vítima para uma zona ao ar livre e mantê-la em repouso numa posição que não dificulte a respiração. Contacte imediatamente um CENTRO DE INFORMAÇÃO ANTIVENENOS ou um médico. SE ENTRAR EM CONTACTO COM OS OLHOS: enxaguar cuidadosamente com água durante vários minutos. Se usar lentes de contacto, retire-as, se tal lhe for possível. Continuar a enxaguar.

IT Pericolo
Provoca gravi ustioni cutanee e gravi lesioni oculari. Non respirare la polvere/i fumi/i gas/la nebbia/i vapori/gli aerosol. Indossare guanti/indumenti protettivi/Proteggere gli occhi/il viso. IN CASO DI INGESTIONE: sciacquare la bocca. NON provocare il vomito. IN CASO DI CONTATTO CON LA PELLE (o con i capelli): togliersi di dosso immediatamente tutti gli indumenti contaminati. Sciacquare la pelle/fare una doccia. IN CASO DI INALAZIONE: trasportare

l'infortunato all'aria aperta e mantenerlo a riposo in posizione che favorisca la respirazione. Contattare immediatamente un CENTRO ANTIVELENI o un medico. IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.

EL Κίνδυνος
Προκαλεί σοβαρά δερματικά εγκαύματα και οφθαλμικές βλάβες. Μην αναπνέετε σκόνη/αναθυμιάσεις/αέρια/σταγονίδια/ατμούς/εκνεφώματα Να φοράτε προστατευτικά γάντια/προστατευτικά ενδύματα/μέσα ατομικής προστασίας για τα μάτια/πρόσωπο. ΣΕ ΠΕΡΙΠΤΩΣΗ ΚΑΤΑΠΟΣΗΣ: Ξεπλύνετε το στόμα. ΜΗΝ προκαλέσετε εμετό. ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΟ ΔΕΡΜΑ (ή με τα μαλλιά): Αφαιρέστε αμέσως όλα τα μολυσμένα ενδύματα. Ξεπλύνετε το δέρμα με νερό/στο ντους. ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΙΣΠΝΟΗΣ: Μεταφέρετε τον παθόντα στον καθαρό αέρα και αφήστε τον να ξεκουραστεί σε στάση που διευκολύνει την αναπνοή. Καλέστε αμέσως το ΚΕΝΤΡΟ ΔΗΛΗΤΗΡΙΑΣΕΩΝ ή έναν γιατρό. ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΑ ΜΑΤΙΑ: Ξεπλύνετε προσεκτικά με νερό για αρκετά λεπτά. Εάν υπάρχουν φακοί επαφής, αφαιρέστε τους, εφόσον είναι εύκολο. Συνεχίστε να ξεπλένετε.
Τηλ. 010 570 6500

DA Fare
Forårsager svære forbrændinger af huden og øjenskader. Indånd ikke pulver/røg/gas/tåge/damp/spray. Bær beskyttelseshandsker/beskyttelsestøj/øjenbeskyttelse/ansigtsbeskyttelse I TILFÆLDE AF INDTAGELSE: Skyl munden. Fremkald IKKE opkastning. VED KONTAKT MED HUDEN (eller håret): Tilsmudset tøj tages straks af/fjernes. Skyl/brus huden med vand. VED INDÅNDING: Flyt personen til et sted med frisk luft og sørg for, at vedkommende hviler i en stilling, som letter vejrtrækningen. Ring omgående til en GIFTINFORMATION eller en læge. VED KONTAKT MED ØJNENE: Skyl forsigtigt med vand i flere minutter. Fjern eventuelle kontaktlinser, hvis dette kan gøres let. Fortsæt skylning.
Tlf. 43965766

SV Fara
Orsakar allvarliga frätskador på hud och ögon. Inandas inte damm/rök/gaser/dimma/ångor/sprej. Använd skyddshandskar/skyddskläder/ögonskydd/ansiktsskydd. VID FÖRTÄRING: Skölj munnen. Framkalla INTE kräkning. VID HUDKONTAKT (även håret): Ta omedelbart av alla nedstänkta kläder. Skölj huden med vatten/duscha. VID INANDNING: Flytta personen till frisk luft och se till att han eller hon vilar i en ställning som underlättar andningen. Kontakta genast GIFTINFORMATIONSCENTRAL eller läkare. VID KONTAKT MED ÖGONEN: Skölj försiktigt med vatten i flera minuter. Ta ur eventuella kontaktlinser om det går lätt. Fortsätt att skölja. Tel. +46 8 793 65 00

FI Vaara
Voimakkaasti ihoa syövyttävää ja silmiä vaurioittavaa. Älä hengitä pölyä/savua/kaasua/sumua/höyryä/suihketta. Käytä suojakäsineitä/suojavaatetusta/silmiensuojainta/kasvonsuojainta. JOS KEMIKAALIA ON NIELTY: Huuhdo suu. Ei saa oksennuttaa. JOS KEMIKAALIA JOUTUU IHOLLE (tai hiuksiin): Riisu saastunut vaatetus välittömästi. Huuhdo/suihkuta iho vedellä. JOS

KEMIKAALIA ON HENGITETTY: Siirrä henkilö raittiiseen ilmaan ja pidä lepoasennossa, jossa on helppo hengittää. Ota välittömästi yhteys MYRKYTYSTIETOKESKUKSEEN tai lääkäriin. JOS KEMIKAALIA JOUTUU SILMIIN: Huuhdo huolellisesti vedellä usean minuutin ajan. Poista piilolinssit, edical voi tehdä helposti. Jatka huuhtomista. Puhelin: (09) 867 81

CS Nebezpečí
Způsobuje těžké poleptání kůže a poškození očí. Nevdechujte prach/dým/plyn/mlhu/páry/aerosoly. Používejte ochranné rukavice/ochranný oděv/ochranné brýle/obličejový štít. PŘI POŽITÍ: Vypláchněte ústa. NEVYVOLÁVEJTE zvracení. PŘI STYKU S KŮŽÍ (nebo s vlasy): Veškeré kontaminované části oděvu okamžitě svlékněte. Opláchněte kůži vodou/osprchujte. PŘI VDECHNUTÍ: Přeneste postiženého na čerstvý vzduch a ponechte jej v klidu v poloze usnadňující dýchání. Ihned volejte TOXIKOLOGICKÉ INFORMAČNÍ STŘEDISKO nebo lékaře. PŘI ZASAŽENÍ OČÍ: Několik minut opatrně vyplachujte vodou. Vyjměte kontaktní čočky, jsou-li nasazeny a pokud je lze vyjmout snadno. Pokračujte ve vyplachování. Agfa s.r.o., Litňovská 609/3 190 00 Praha 9, tlo. 25730169

PL Niebezpieczeństwo
Powoduje poważne oparzenia skóry oraz uszkodzenia oczu. Nie wdychać pyłu/dymu/gazu/mgły/par/rozpylonej cieczy. Stosować rękawice ochronne/odzież ochronną/ochronę oczu/ochronę twarzy. W PRZYPADKU POŁKNIĘCIA: wypłukać usta. NIE wywoływać wymiotów. W PRZYPADKU KONTAKTU ZE SKÓRĄ (lub z włosami): Natychmiast usunąć/zdjąć całą zanieczyszczoną odzież. Opłukać skórę pod strumieniem wody/prysznicem. W PRZYPADKU DOSTANIA SIĘ DO DRÓG ODDECHOWYCH: wyprowadzić lub wynieść poszkodowanego na świeże powietrze i zapewnić warunki do odpoczynku w pozycji umożliwiającej swobodne oddychanie. Natychmiast skontaktować się z OŚRODKIEM ZATRUĆ lub lekarzem. W PRZYPADKU DOSTANIA SIĘ DO OCZU: Ostrożnie płukać wodą przez kilka minut. Wyjąć soczewki kontaktowe, jeżeli są i można je łatwo usunąć. Nadal płukać. Wywoływacz w poszóstnictwórów do płyt offsetowych.

SL Nevarno
Povzroča hude opekline kože in poškodbe očí. Ne vdihavati prahu/dima/plina/megle/hlapov/razpršila. Nositi zaščitne rokavice/zaščitno obleko/zaščito za oči/zaščito za obraz. PRI ZAUŽITJU: Izprati usta. NE izzvati bruhanja. PRI STIKU S KOŽO (ali lasmi): takoj odstraniti/sleči vsa kontaminirana oblačila. Izprati kožo z vodo/prho. PRI VDIHAVANJU: prenesti žrtev na svež zrak in jo pustiti počivati v položaju, ki olajša dihanje. Takoj poklicati CENTER ZA ZASTRUPITVE ali zdravnika. PRI STIKU Z OČMI: previdno izpirati z vodo nekaj minut. Odstranite kontaktne leče, če jih imate in če to lahko storite brez težav. Nadaljujte z izpiranjem.

ET Ettevaatust
Põhjustab rasket nahasöövitust ja silmakahjustusi. Tolmu/suitsu/gaasi/udu/auru/pihustatud ainet mitte sisse hingata. Kanda kaitsekindaid/kaitserõivastust/kaitseprille/kaitsemaski. ALLANEELAMISE KORRAL: loputada suud. MITTE kutsuda esile oksendamist. NAHALE (või juustele) SATTUMISE KORRAL:

6H08502

Agfa Graphics NV
Septestraat 27, B-2640 Mortsel
Tel +32(0)+44 21 11
Made in Belgium

AGFA
STAY AHEAD. WITH AGFA GRAPHICS.

:Thermostar P970

Advanced Thermal Plate Technology

Thermostar plates offer high quality thermal imaging and give your pressroom the
steady stream of high quality.....

Advanced thermal plate technology

:Thermostar substrate is electrochemically grained and anodized aluminium manufactured to
exacting tolerances and known for its excellent lithographic performance.

The lower coating layer is a hydrophobic polymer that provides the basis for :Thermostar's
lithographic behaviour, press durability, and the ability to be developed using a standard aqueous
alkaline developer.

:Thermostar P970 is a positive-working, 830 nm sensitive plate, compatible with all 830nm plate-
setters. The plate is designed for commercial printing applications of medium run lengths, and can
achieve up to 100,000 impressions without baking. Optional post-baking after processing enables
press runs of more than one million impressions.

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:Thermostar P970

Thermal-sensitive layer

The upper layer is highly sensitive to infrared light, giving extremely fast imaging speeds. During exposure, the thermal laser causes a heat-induced transformation to take place in the top layer. During development, the alkaline developers penetrate only the exposed areas. The result is a sharp definition between exposed and unexposed areas, creating high-resolution plates capable of 1% to 99% at 200 lpi. This makes :Thermostar appropriate for a wide range of high-quality applications - including stochastic and hybrid screening.

Plate Specifications

Plate type	Thermally exposed aluminium laser plate for sheet and web offset
Coating	Two-layer system, infrared sensitive, positive acting
Gauges	0.15 mm, 0.20 mm, 0.24 mm, 0.30 mm, 0.40 mm 0.006", 0.008", 0.010", 0.012", 0.016"
Sizes	1500 x 2000 mm in 0.40 mm 1483 x 2000 mm in 0.30 mm
Spectral sensitivity	830 nm
Resolution	1-99% dot rendering at 200 lpi
Image colour	Blue-green
Processing	Conventional wet processing using standard positive-type developer
Processor Speed	0.7 - 1.2 m per minute
Temperature	25 ± 3°C (77 ± 5°F)
Replenishment rate	100 ml/m2 , depending on use
Run length*	100,000 without post-baking, 1 million+ with baking
Lighting conditions	Daylight
Storage conditions	:Thermostar plates should be stored in the original container under ambient conditions of less than 30°C (86°F) and 30 -7 0% relative humidity

Depending on press conditions and image content

Agfa Graphics' Optimised Pressroom Chemicals

Plate Cleaner	:Antura CtP Plate Cleaner
Washout Gum	:Antura CleanGum
Deletion pen or gel	KP23 - KP010 - KP011 or KP012
Normal short term storage (max 7 days)	RC795
Baking gum	RC510
Desensitizer	PlateEtch Plus
Scratch Remover	Reviva Plate
Fountain Solutions	:Thermostar is compatible with all AGFA fountain solutions
Roller and blanket washes	:Thermostar is compatible with all AGFA roller and blanket washes

A chemical passport indicating the most appropriate chemistry is available for all AGFA plates. Not all plates are available in every region. Contact your local Agfa representative for more information.

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Temperature	25 ± 3°C (77 ± 5°F)
Replenishment rate	100 ml/m2 , depending on use
Run length*	100,000 without post-baking, 1 million+ with baking
Lighting conditions	Daylight
Storage conditions	:Thermostar plates should be stored in the original container under ambient conditions of less than 30°C (86°F) and 30 -7 0% relative humidity

*Depending on press conditions and image content

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Thermotect

Gums

Baking solution

Pro 10 Litres: **Art. code** R42ZF

Thermotect is a ready-to-use aqueous solution which protects plates during baking. It can be put on the plate surface in a conventional plate processor. Although developed for machine use, Thermotect can also be used manually. It can equally function as a storage gum, to protect the surface of the printing plate for 1 to 7 days (short term storage) before baking.

Working instructions

Machine application

- Fill the processor according to the instructionsReplenish regularly with concentrated finisher to maintain the level in the processor tank.
- If necessary, replenish with diluted finisher (1:1). Depending on the processor type, finisher-gum can be diluted 1:1, which may however have an adverse effect on storage.
- Optimise dryer settings to avoid viscosity increase.

Manual application

- For plate storage after printing, remove remaining ink, cleaner, dust ...
- Apply the finisher in a thin equal layer over the whole plate surface.
- Buff down with a lint-free cloth, to form a thin, even film.
- Allow to dry.

Safety

Read MSDS before using this product.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Main characteristics

- Ready-to-use; easy to use.
- Designed for manual and automatic application. Can be used in all type processors.
- Baking solution (prevents dot growth and toning).
- Short term storage (max. 7 days) before baking.

Physical properties

Appearance	Light Brown Solution
Density	1,07 kg/litre
Viscosity (20°C)	+/- 1,7 cP
pH (25°C)	8,3

Storage

- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 24 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

Agfa Graphics plate compatibility

Digital plate technologies										
Thermal										
:Amigo	:Amigo baked	:Amigo TS	:Amigo TS baked	:Ampio	:Ampio baked	:Azura TS	:Energy Elite	:Energy Elite baked	:Thermostar	:Thermostar baked
✗	✗	✗	✗	✗	✓	n/a	✗	✓	✗	✓

Digital plate technology						Analogue plate technology			Polyester plate technology
Visible light									
:Aspire	:Aspire baked	:Azura-V	:Lithostar Ultra	:N91v	:N92-VCF	:P55	:P55 baked	:N555	Setprint Plus
✗	✓	n/a	✗	✓	n/a	✗	✓	n/a	n/a

AGFA Agfa

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Unifin

General Purpose Machine Finisher Gum

Gums

Pro 10 Litres: **Art. code** R42NP
Pro 20 Litres: **Art. code** R42OR

Unifin is a low viscosity finisher for all offset plates. It is a general purpose gum, which protects the surface of the printing plate for 1 to 2 weeks (short term storage). Although developed for machine use, Unifin can also be used manually.

Working instructions

Machine application

- Fill the processor according to the instructions.
- Replenish regularly with concentrated finisher to maintain the level in the processor tank.
- Optimise dryer settings to avoid viscosity increase.

Manual application

- For plate storage after printing, clean the plate with water and plate cleaner.
- Apply the finisher-gum in a thin equal layer over the whole plate surface.
- Buff down with a lint-free cloth, to form a thin, even film.
- Allow to dry.

Main characteristics

- Ready-to-use
- Designed for machine application (Manual application possible).
- Low viscosity gum.
- Medium-term storage.
- Compatible with all plates.
- Excellent film properties.

Physical properties (Concentrated solution)

Appearance	Colourless solution
Density	1,07 kg/litre
Viscosity	+/- 1.7 cP
pH (25°C)	3.5
Gum substance	Synthetic Phosphate based

Plate storage (golden rules)

Before printing, store the plates in a dry and heated place.
Recommended storage conditions are:

- temperature between 18 and 24 °C (64 and 75 °F).
- relative humidity < 70 %.
- Image side against image side, separated by interleaving paper.
- Verify that the humidity of the interleaving paper is not too high.

Waste

Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Safety

Read MSDS before using this product.

Storage

- Store at room temperatures in a dry, well ventilated area.
- Shelf life: 36 months from date of manufacture.
- Keep away from heat and direct sunlight.
- Keep the containers closed.

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STAY AHEAD. WITH AGFA GRAPHICS.

Gums

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
n/a	✓	✓	✓	✓	✓	✓	✓	✓	✓

Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	n/a	✓	✓	n/a	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

:VCF 85

New!
Electronics

- Violet Chemistry-free solution
- Small footprint - compact design
- Minimal operation cost
- Easy to clean
- Easy to install
- State of the art user interface
- Remote Control

:VCF 85

side view

front view

1500mm (59")

1000<>1160mm (39.4"<>45.6")

1430mm (56.3")

1030mm (40.3")

850mm (33.5")

800<>960mm (31.5"<>37.8")

AGFA *Agfa*
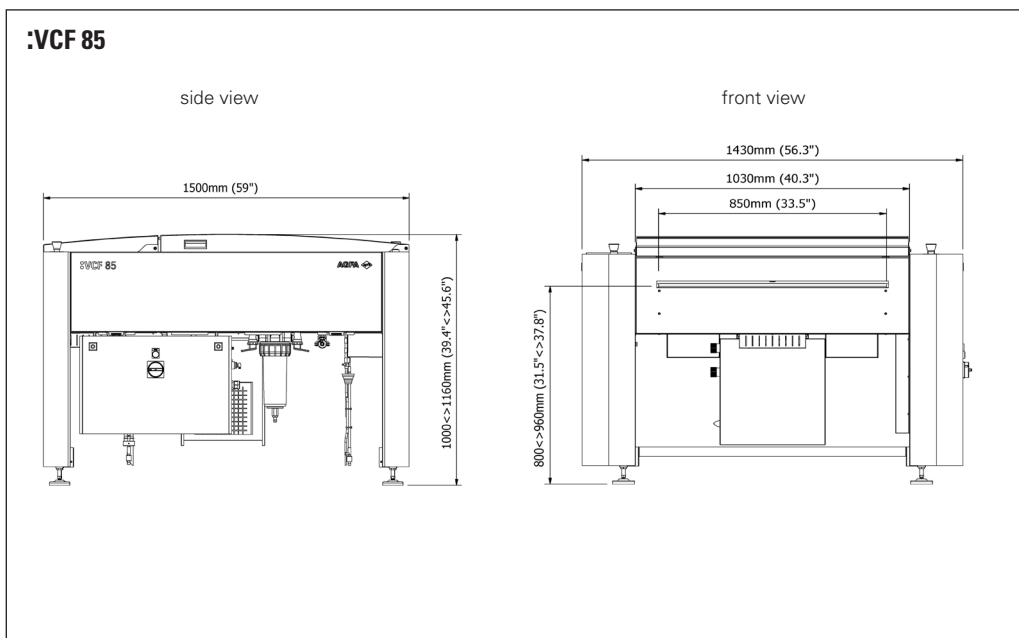
Violet Clean Out Unit

Processor Type	:VCF 85
Platesetters	:Polaris X/100/100 E, :Advantage N, XS, DL/CL, :Palladio, :Galileo + UPC
Plate width, min - max	200 - 850 mm (7.9 - 33.5")
Plate length, min - max	275 - 1100 mm (10,8 - 43.3")
Plate thickness, min - max	0.15 - 0.30 mm (0.006 - 0.012")
Processing speed	40 - 120 cm/min (15.7 - 47.2"/min)

Throughput*
 	
* interdistance between 2 plates 50 mm
	Plate length/mm pl/hr
	    343 185
	    605 107
	    745 88
	   1030 64

Tank content, gum	40 l (10.6 US gal)
Weight Crated (+/- 5%) Empty Filled	530 kg (1168 lb) 390 kg (860 lb) 427 kg (941 lb)
Approvals	The :VCF 85 unit has the approval for CE, cTÜVus and complies with the RoHS directive
Standard equipment	Features pre-heat, fully automatic top up based on square meter measurement, automatic container alarm, emergency stop, world-wide electrical configurable, gum filter (200 µ reusable)
Options	drip tray, exit table, feed table, decorative side panels

Interface kit for:	Agfa: :Polaris X/100/100E
	                :Advantage N
	                :Advantage XS
	                :Advantage DL/CL
	                :Palladio
	                :Galileo + UPC
	ECRM: Mako
	Heidelberg: Prosetter
	Lüscher: Luxel
	High Water: Python

:VCF 85

0,8m

2913

300   1500   1113

1,0m   1,0m

1430 900

0,8m
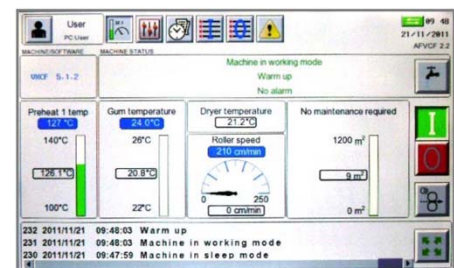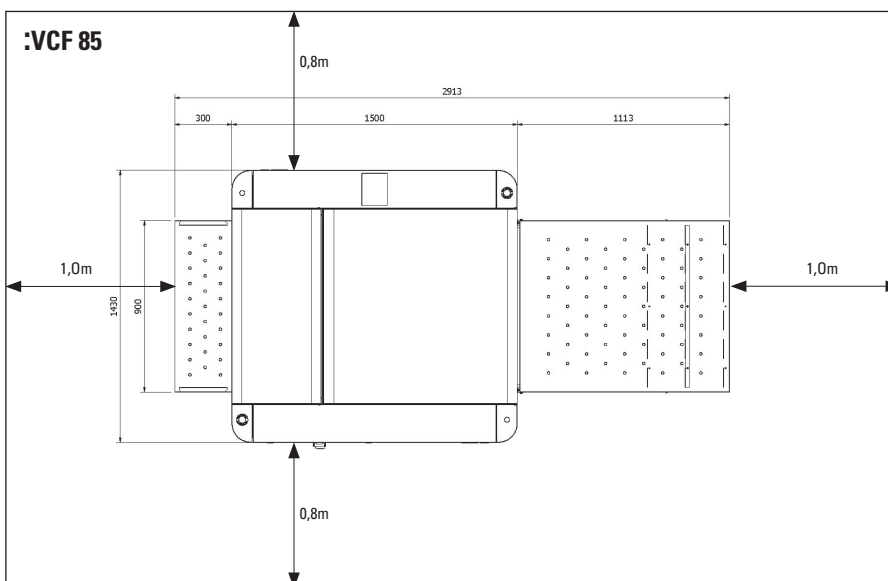
State of the art User Interface

Space requirements

min. 0,8 m of free space on left and right side
min. 1,0 m of free space on front and rear side (off-line)

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AGFA

veripress

for :Arkitex

AGFA

STAY AHEAD. WITH AGFA GRAPHICS.

Veripress is an on-press softproofing solution, representing the next generation in digital proofing. Built around an **advanced colour management system with a touch screen interface**, Veripress uses platesetter RIP data to produce verified colour-matched proofs on screen, at the touch of a button.

In an era where the productivity demands of high volume press environments means less time available for hardcopy proofs, **softproofing is the logical solution**. Fast, cost efficient and easy to use, Veripress ensures proofs are ready on the press as soon as the plates arrive.

The Veripress range has integrated softproofing solutions suited to any production and press workflow.
Press versions can read the native file format, directory structure, plate assembly and imposition data of **all major manufacturer proprietary RIPs**.

All packages accept file input across the following formats: TIFF, JPEG, PNG, Scitex CT, Adobe Photoshop PSD, Serendipity Blackmagic Image.

Veripress Pro
The complete softproofing solution for the colour-savvy press room.
Designed for the challenges of press and publishing environments, Veripress Pro **accepts all supported file formats** and is fully optioned to provide streamlined, print-free proofing for a vast array of bitmap and Postscript RIPs. Touch screen control, press console synchronisation and publication planning file support maximises production output and keeps presses rolling.

Veripress Lite
Veripress for press rooms requiring **precision softproofs for imagesetter and platesetter RIPs**.
Integrated RDT (**Real Dot Technology**) displays softproofs with original halftone screening. Press ICC matching with press and platesetter dot gain compensation combine with print media simulation to ensure colour accuracy. Veripress Lite has all the features of Pro, for non-Postscript workflows.

Veripress Bureau
Perfect for pre-press design and advertising studios needing to **proof Postscript work for publication**.
Veripress Bureau has all the functionality of Pro, for a PDF/Postscript environment.

Veripress Remote
Softproofs sent from a Veripress Server **anywhere in the world**.
Serendipity's proprietary Blackmagic Image format maintains total data integrity to ensure offsite locations view identical colour-matched proofs.

Veripress - precision softproofing has landed
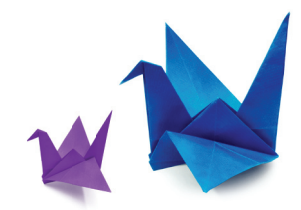
Colour Management and Multicolour Support

Veripress is built on a **full 16-bit engine**. The colour management system is ICC v4.2 compliant and capable of reproducing the gamut of virtually any print process on screen.

Full **multicolour support** provides accurate proofing of any multicolour printing process - be it hexachrome, 7-colour or a custom process.

Press Configurations

Created to **precisely emulate the properties of the press and substrate on screen**, press configurations are an integral part of the Veripress softproofing solution.

Users define the operating gamut of the press via a match ICC profile. Dot gain curves can be added to **compensate for the dot gain of each process CMYK ink and spot colour**, as well as that of the platesetter device. Replacement colour sets can be used for printing processes with non-standard ink setups. The printable sheet area of the press can be entered along with its number of ink keys.

Press configurations **define the white point of the paper** being used. White Point values can be entered manually, extracted from the match ICC profile, or measured from the substrate with a supported Spectrophotometer. The paper's **show-through properties can be defined** including a dot gain curve for the back page. Maximum ink weight and horizontal or vertical stretch factor can also be set.

Press configs can be switched instantly via the touch console to view a job as it would look when printed by a different press, or on another paper type.
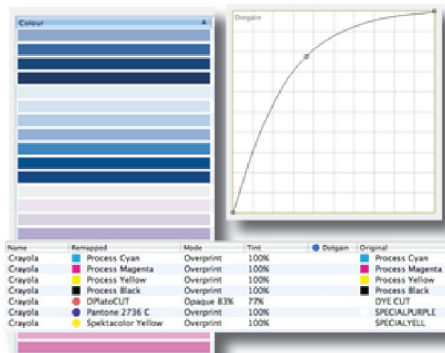
Spot Colour Handling

Support for **unlimited spot colours** means precise proofing for even the most complex jobs. Spot colours can be easily **imported or created in L*a*b*, CMYK or multicolour colourspaces**. Spots are assigned a paint mode (overprint, knockout, primer, transparent, opaque), a tint level within each mode and a unique dot gain curve.

Special colours are handled in an L*a*b* colourspace for accuracy and consistency. **Advanced spot merging** techniques simulate how each colour will react with other spot and process press inks, making true spot colour proofing a reality.

Monitor Calibration and Verification

Veripress comes complete with screen calibration and verification tools to ensure accurate colour reproduction. The Displays application uses a supported Spectrophotometer to **calibrate softproofing monitors and light booths**, or measure ambient light sources.

Adjustments are made to screen gamma, white point and brightness. Measurements are taken from which an ICC profile is created and saved to Veripress and your operating system as the native display ICC profile. Suitable graphics monitors can be calibrated to match a chosen press gamut and verified to ensure colour accurate softproofing of print material.

Veripress includes a system for creating colour verification charts, generated from **press ICC profiles or imported** from text or CGATS files. Users can **define** the number of patches making up the chart, **process colour, paper and grey balance patch types**; and set maximum, average and standard tolerance values for Δe (CIE76, CIE94, CIE2000), ΔH and ΔC.
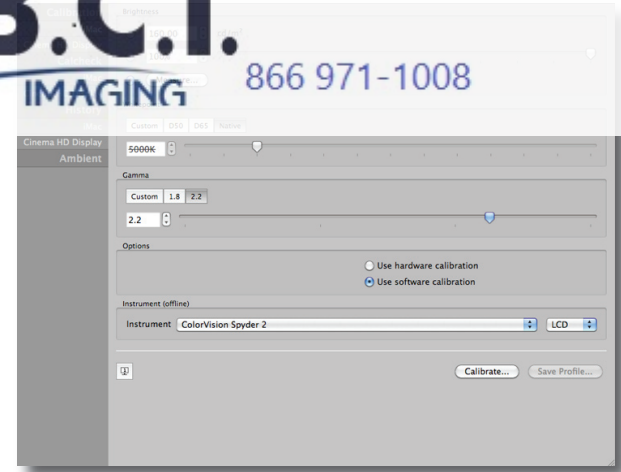
Displays **verifies the colour performance** of the monitor directly against the target press standard values and displays results on screen. This guarantees a monitor certified by **Veripress is capable of reproducing the full gamut of the printing process**, be it ISO 12647-2, Fogra, GRACol, a multicolour or other custom process.

Press Console Integration

The Press Agent application allows Veripress to be **directly connected to a press console through a network port**. When the press operator turns or loads a page on the press console, using a button or by flipping a camera recognised page, Veripress **automatically loads the correct page** for softproofing.

Touch Console

The press room is no place for a mouse and keyboard. Veripress includes out-of-the-box support for touch screens.

The Veripress **touch console interface** features hierarchical, **one-touch access** to all proofing, publication, page viewing, tools and navigation functions. A visual interface displays a thumbnail of the currently loaded proof making navigation to a specific proof area is as simple as a touch or drag.

The **touch console can be customised** so press operators see only the functions used in the press room. Function buttons can be re-labelled to use local terminology.
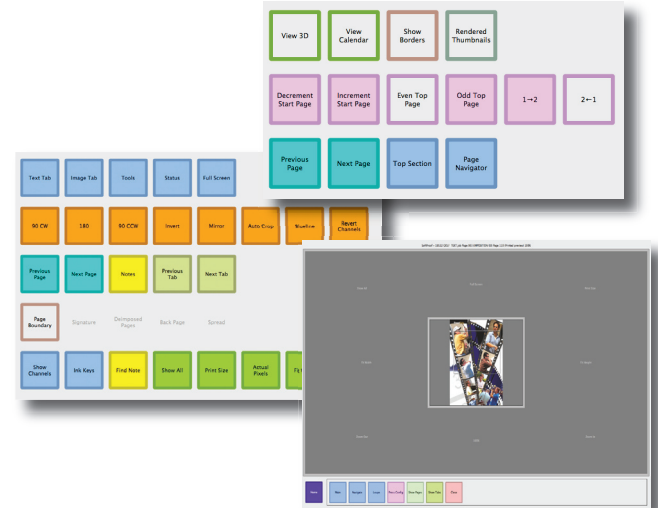
Bookfilter

Using Bookfilter, press operators are able to **proof large multi-section or multi-edition publications**, newspapers or magazines at the touch of a button.

Pages used in multiple publications need only be RIPped once for proofing. Veripress utilises the same **planning files** used on the press to **assemble pages in the correct sequence** to proof a publication.

Publications

Veripress can **load and proof entire publications** comprised of single pages or de-imposed from multi-page press sheets.

Page navigator panels on the main proofing screen and touch console **show available, missing or duplicate pages and spread page pairs**. The interface provides **one-touch access to any page**.

Spreads

Publications can be viewed as **page spreads**. Pages are **paired on-the-fly** and displayed side by side to identify problems or bleed issues with full-page spread advertisements or images.

Back Page

Veripress is able to digitally back consecutive publication pages onto each other.

User-configured paper white point, opacity and back page dot gain are used to accurately **simulate the effects of show-through** on the current page.

De-Imposition

Veripress includes a built-in de-imposition module that **virtually cuts imposed press files for proofing as individual pages at published size**.

Signature groups can be custom built or imported directly from jobs in a number of industry formats, such as Dynastrip, Preps and JDF. Users can edit signatures individually or in groups, changing parameters such as plate offset or page size, invaluable when working with large publications.

Imposed press sheets can be submitted for proofing with a signature attached. Press operators then have the option to **view an overlaid signature** when proofing the sheet or **instantly de-impose press sheets on screen** to proof correctly sequenced, individual publication pages.

FlipBook

FlipBook **allows a publication to be previewed in its final printed form** in 2D or 3D. Any newspaper or magazine job can be loaded as a virtual book, quickly flipped through by a press operator and checked for correct de-imposition, page order, orientation or duplicates.

Books can be flipped in left-right or calendar mode and the zoom and viewing angle adjusted. If required, the whole publication can be **exported as a PDF or a QuickTime movie**.
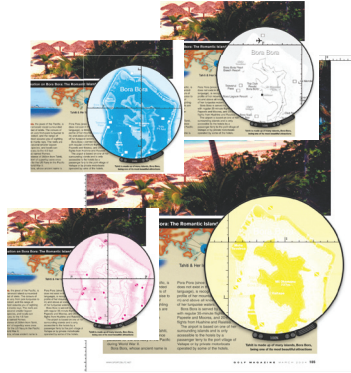
Virtual Loupe

The virtual Loupe tool allows for the **magnification** of page areas and provides **accurate readings of ink dot coverage percentages**.

A touch-and-drag interface moves the Loupe around the page. It **allows the Loupe size and magnification to be adjusted** while examining image elements, halftone dots and fine text. Channel controls cycle the view within the Loupe through the area's individual ink channels.

A **dynamic heads-up display** shows the ink dot percentages at a point-centred crosshair or within an area average percentage box configured and scaled to the line screen of the plates.

Spectro Tool

Veripress allows **precise comparison of softproof and press sheet colours**.

Operators can use a supported Spectrophotometer to measure colour and density values on a press sheet then use the Spectro Tool to measure the corresponding area on the softproof. Comparative values and delta E are displayed on screen.
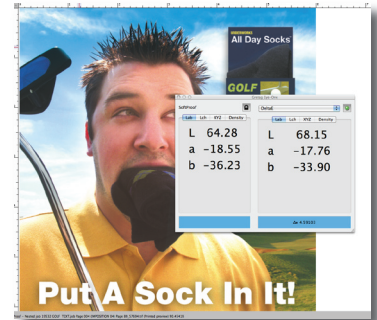
Channel Viewing

Operators can **quickly toggle ink channels** to get an accurate representation of the proof at various print stages. Combined with Veripress' **digital Blue Line**, which replaces all process colours with varying shades of blue, this Show Channels function is used to check for traps and overprints.
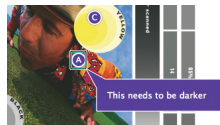
Notes

Notes can be attached to specific areas of a page to alert the press operator of **special requirements** or to convey any prepress **instructions**. Users can **jump to a note location** anywhere in a job or publication at the touch of a button.
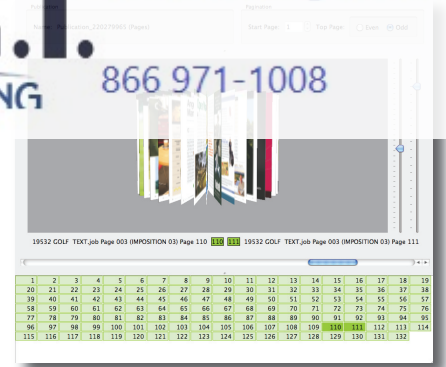
Ink Key Viewer

The Ink Key Viewer aids the press operator in the initial **setup of press ink ducts**. Plate size and the number of ink keys are stored in Veripress press configurations and applied to the view on screen.

Press pages can be examined independently or positioned on the plate displaying the relative ink use for each ink key. The amount of **ink used by the print run can be calculated instantly** by entering the number of prints and the process ink weights (in g/m^2).

Over-inked areas are highlighted at a touch.
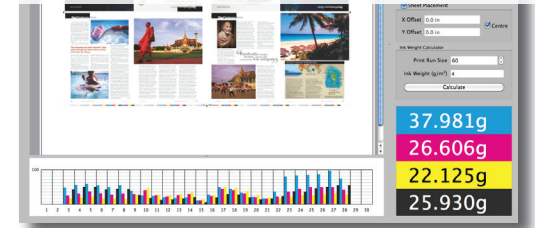
Secure Account Management

Veripress allows administrators to **create group and user login accounts** tailored to specific roles in the work environment.

Accounts are used as a filter to **display information relevant to each user**, granting access to functions, applications and editing privileges when appropriate. The system enables remote users to **login securely** and can be configured to **notify users of system critical events via email.**

Clustering

Clustering, or **distributed processing**, is a method whereby **multiple computers are used to share processing workload.** Veripress utilises this technology to speed up your processing workflow.

Cluster nodes* running on **additional computers can be seamlessly added** to the cluster. Managed centrally by the Veripress Server, nodes can be run across mixed Mac OS X, Windows or Linux platforms.

*dongles purchased separately.

Remote Proofing

Veripress is able to **push proofs to remote sites anywhere in the world**. Proofs are sent via FTP or Secure FTP to a Veripress Remote Server in the same **Serendipity Blackmagic Image** format used for the softproofs at the source location.

This streamlined proprietary file format **maintains complete data integrity** - preserving process and special spot colour L*a*b* values and transparency features - enabling remote users with the same calibrated Veripress configuration to **view a certified, identical proof.**

Veripress for :Arkitex

:Arkitex
From Editorial to Press

Specifically designed for flawless data management in a newspaper environment, :Arkitex has become the choice workflow solution for countless newspaper printers around the world. :Arkitex takes into consideration all apsects of your current workflow and anticipates every possible path to future growth.
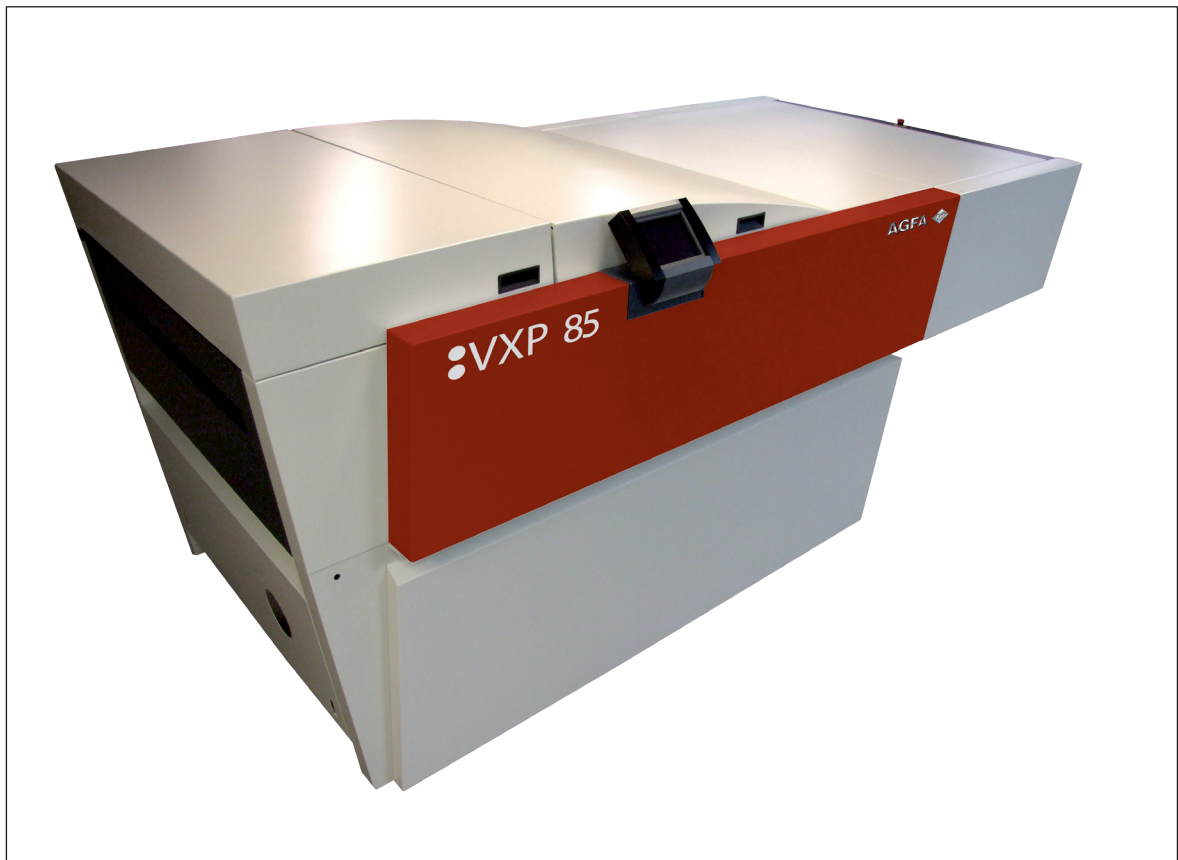Whatever the size of your operation, you can automate your entire workflow, or take it a step at a time.

Veripress for :Arkitex adds colour managed press console softproofing to :Arkitex, combining the proven expertise of Veripress with that of :Arkitex Quality.
:Arkitex Quality encompasses all modules designed to enhance quality through ICC-profile based batch handling of images from different sources, ink usage optimisation and cross-modulated screening for photo-like image rendering.

AGFA

:VXP 85

- General purpose
- Maximum up-time - high reliability
- High quality processing
- Economical operation
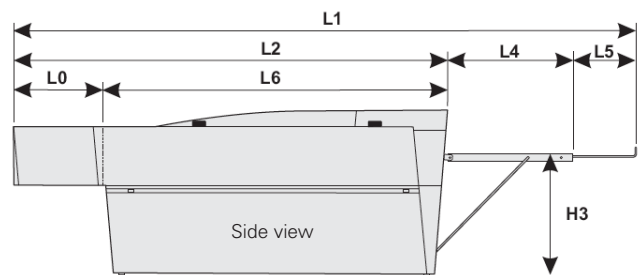

AGFA

:VXXP 85

- Heavy duty motors and frame
- For the most demanding speed and throughput
- High quality processing
- Convertable for violet chemfree
- User friendly

AGFA *Agfa*

B.C.I. IMAGING

Processor Type	:VXXP 85
Platesetters	:Advantage N, :Polaris Family
Plate width, min - max	200 - 850 mm (7.9 - 33.46")
Plate length, min	285 mm (11.22")
Plate thickness, min - max	0.15 - 0.40 mm (0.006 - 0.016")
Processing speed	50 - 250 cm/min ±5% (19.7 - 98.4"/min ±5%)
Throughput	10.000 - 50.000 m^2/year or 200 to 1000m^2/week
Tank content, pre-wash	18 l (4.7 US gal)
Tank content, developer	91 l (23.6 US gal)
Tank content, wash	14 l (3.6 US gal)
Tank content, gum	3.5 l (0.9 US gal)
Weight	Crated: 725 kg (1598 lbs) => no preheat module mounted Uncrated: 465 kg (1025 lbs) => with preheat mounted
Approvals	UL, C-UL certified Complies with CE standards and ROHS directive
Standard equipment	Featuring new long life drive and brush motors, adjustments free roller lock, dual hot air pre-heat oven, pre-wash section, dip tank with anti-oxidation lid, fully automatic replenishment system (m2), developer circulation and filtration (50 micron), wash section, integrated water saving for pre-wash and wash section, integrated water drain manifold, extended developer section, gum section with automatic cleaning, easy lift top cover, graphic finger touch control panel, remote enabling system (3 months trial period), installation kit, emergency stop, safety switch (GFCI), closed stand, container level probes, cooling unit high capacity, drip tray, hand shower for cleaning, online interface to most setters, operator panel - left side, pump - quick fill, remote enabling system (full), USB memory stick.
Options	Application specific brush configuration, delivery table, feed table.
Interface kit for Agfa:	:Polaris X :Advantage N

:VXXP 85

Dimensions	
Length, total (L1)	376.3 cm (148.2")
Length, processor (L2)	302.8 cm (119.2")
Length, exit table (L4)	73.5 cm (28.9")
Length, exit extension (L5)	23.5 cm (9")
Length, preheat section (L0)	80 cm (31.4")
Length, processor without preheat and front panel (L6)	228.8 cm (87.7")

Dimensions	
Width, total (W)	133 cm (52.36")
Height, total (H1)	116 - 131 cm (45.7 - 51.6")
Height, feed (H2)	87.5 - 102.5 cm (34.4 - 40.4")
Height, exit (H3)	86.5 - 101.5 cm (34.0 - 40.0")
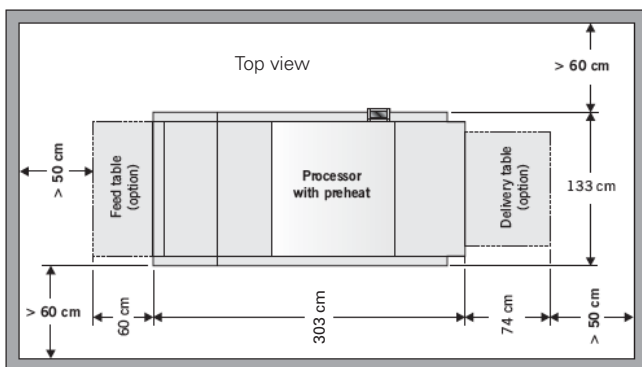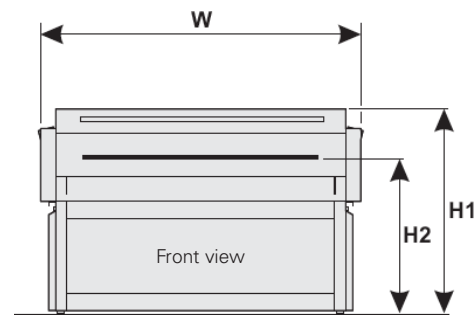
AGFA

Xchange

Efficient cleaning liquid for ink rollers

Specialities

Pro 6 x 1 litre: **Art.code** PYNKN

Xchange, an excellent one step deep cleaner for rollers, will ensure thorough removal of ingrained ink from rubber pores, enabling quick colour changes in one wash-up. Xchange thoroughly removes undetectable deposits of residue on rollers. Xchange doesn't contain chlorinated solvents.

Working instructions

Rollers
- Wash up in the usual manner using a conventional press wash.
- Apply sufficient Xchange across the top roller of the ink train.
- Let the press run idle for at least three minutes.
- Engage the wash-up blade and rinse the rollers with wash to remove any residue of Xchange. Afterwards rinse with water.
- Let it dry.

Blanket
- Clean the blanket with a conventional press wash.
- Apply Xchange to the entire surface of the blanket using a sponge or wipe.
- Allow to penetrate for at least one minute.
- Wipe away with a wipe or wet sponge with wash. Afterwards rinse with water.
- Let it dry.

Remark
It is important not to allow the solution to come in contact with the printing plate surface.

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Agfa plate compatibility
Xchange may NOT come in contact with the printing plate surface.

Main characteristics
- Enable quick colour change.
- Keeps rubber soft and resilient.
- Non abrasive.
- No aggressive alkalis.
- Low odour.

Properties

Chemical	Appearance	White emulsion
	Classification	A III
	Flashpoint	63 °C
	Density (25°C)	0,895 kg/Litre
	pH	9,5
	VOC content	57%
	Aromatic free	✓
Press	Business forms web	✗
	Coldset web	✗
	Heatset web	✗
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Medium
	Drying speed	Slow
	Water miscible	✓
	Automatic wash	No

AGFA Agfa

STAY AHEAD. WITH AGFA GRAPHICS.

Xtrawash Plus 40

W a s h e s

Aromatic free water miscible blanket & roller wash

Pro 20 Litres: **Art. code** PYG3Z
Pro 2 x 200 Litres: **Art. code** PYG2X

Xtrawash Plus 40 is a highly effective, water miscible blanket and roller wash. It is water miscible and when used in conjunction with water it will quickly remove ink and lint, leaving blankets and rollers with an ink receptive surface. Xtrawash Plus 40 is suitable for automatic washing systems and manual application. Xtrawash Plus 40 does not contain any aromatics or chlorinated solvents.

Working instructions

Manual use: Blankets / Ink rollers
- Pre-mix with water.
- On blankets: Apply pre-mix with a cloth or sponge, evenly covering the whole surface.
- On ink rollers: Spray pre-mix on ink rollers and rinse with water afterwards.

Automatic use
- Follow manufacturer's instructions.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Main characteristics
- Suitable for manual and automatic use.
- Compatible with most offset plates.
- Cleans quickly and thoroughly.
- Reduces blanket tack.
- Prevents oxidation and swelling of the rubber.
- Keeps rollers and blankets ink-receptive.
- Minimum odour release, does not contain any aromatics or chlorinated solvents.

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations

Properties

Chemical	Appearance	Colourless
	Classification	A II
	Flashpoint	42 °C
	Density (25°C)	0,780 kg/Litre
	VOC content	97%
	Aromatic free	✓
Press	Business forms web	✗
	Coldset web	✗
	Heatset web	✗
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Medium
	Drying speed	Fast
	Water miscible	✓
	Automatic wash	✓

AGFA
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Washes

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓ *	✓ *	✓ *	✓	✓	✓	✓	✓	✓	✓

Digital plate technology						
Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓ *	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

* Long contact time or intensive scrubbing can cause image damage

Xtrawash Plus 60

Washes

FOGRA
APPROVED

FOGRA approved blanket & roller wash

Pro 20 Litres: **Art. code** PYG42
Pro 2 x 200 Litres: **Art. code** PYG54
Pro 1 x 1000 Litres: **Art. code** P6J4Z

Xtrawash Plus 60 is a highly effective, water miscible blanket and roller wash. It is water miscible and when used in conjunction with water it will quickly remove ink and lint, leaving blankets and rollers with an ink receptive surface. Xtrawash Plus 60 is approved by FOGRA. Xtrawash Plus 60 is suitable for automatic washing systems and manual application. Xtrawash Plus 60 contains no aromatic or chlorinated solvents and is less harmful to both human health and the environment.

Working instructions

Manual use: Blankets / Ink rollers
- Pre-mix with water.
- On blankets: Apply pre-mix with a cloth or sponge, evenly covering the whole surface.
- On ink rollers: Spray pre-mix on ink rollers and rinse with water afterwards.

Automatic use
- Follow manufacturer's instructions.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Properties

Chemical	Appearance	Colourless
	Classification	A III
	Flashpoint	62 °C
	Density (25°C)	0,785 kg/Litre
	VOC content	98%
	Aromatic free	✓
Press	Business forms web	✓
	Coldset web	✓
	Heatset web	✓
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Strong
	Drying speed	Medium
	Water miscible	✓
	Automatic wash	✓

Main characteristics
- FOGRA approved for Heidelberg, Man Roland and KBA.
- Approved by Baldwin for automatic washing systems.
- Excellent ink removal properties.
- Suitable for manual and automatic use.
- Compatible with most offset plates.
- Cleans quickly and thoroughly and reduces blanket tack.
- Prevents oxidation and swelling of the rubber.
- Keeps rollers and blankets ink-receptive.

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations

AGFA *Agfa*

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Washes

Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	::Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓ *	✓	✓	✓	✓	✓	✓	✓	✓	✓

Digital plate technology						
Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

* Long contact time or intensive scrubbing can cause image damage

AGFA
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Xtrawash Plus 60E

Washes

Aromatic free water miscible blanket & roller wash

Pro 20 Litres: **Art. code** PYG78
Pro 2 x 200 Litres: **Art. code** PYG66
Pro 1 x 1000 Litres: **Art. code** OBA1C

Xtrawash Plus 60E is a highly effective, water miscible blanket and roller wash. It is water miscible and when used in conjunction with water it will quickly remove ink and lint, leaving blankets and rollers with an ink receptive surface. Xtrawash Plus 60E is suitable for automatic washing systems and manual application. Xtrawash Plus 60E contains no aromatic or chlorinated solvents and is less harmful to both human health and the environment.

Working instructions

Manual use: Blankets / Ink rollers
- Pre-mix with water.
- On blankets: Apply pre-mix with a cloth or sponge, evenly covering the whole surface.
- On ink rollers: Spray pre-mix on ink rollers and rinse with water afterwards.

Automatic use
- Follow manufacturer's instructions.

Storage
- Store at room temperatures in a dry, well ventilated area.
- Keep away from heat and direct sunlight.
- Keep the containers closed.
- Shelf life: 36 months from date of manufacture.

Main characteristics
- Excellent ink removal properties.
- Suitable for manual and automatic use.
- Cleans quickly and thoroughly.
- Reduces blanket tack. and keeps rollers and blankets ink-receptive.
- Prevents oxidation and swelling of the rubber.

Safety
Read MSDS before using this product.

Waste
Collect if possible, send to authorized disposal centres, in accordance with local and national regulations

Properties

Chemical	Appearance	Colourless
	Classification	A III
	Flashpoint	61 °C
	Density (25°C)	0,798 kg/Litre
	VOC content	96%
	Aromatic free	✓
Press	Business forms web	✓
	Coldset web	✓
	Heatset web	✓
	Sheet-fed	✓
	Ink	Conventional
Application	Ink solvency	Strong
	Drying speed	Medium
	Water miscible	✓
	Automatic wash	✓

AGFA Agfa

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Agfa Graphics plate compatibility

Digital plate technology									
Thermal									
:Azura TS	:Amigo TS	:Thermostar P970	:Thermostar P970 baked	:Energy Xtra	:Energy Xtra baked	:Energy Elite	:Energy Elite baked	:Energy Elite Pro	:Energy Elite Pro baked
✓ *	✓	✓	✓	✓	✓	✓	✓	✓	✓

Digital plate technology						
Visible light						
:Aspire	:Aspire baked	:Azura-Vi	:N91v	:N94v	:N94-VCF	:Lithostar Ultra
✓	✓	✓	✓	✓	✓	✓

CtCP plate technology			Analogue plate technology		
:Aluva P	:Aluva P baked	:Aluva N	:Meridian P55	:Meridian P55 baked	:Zenith N555
✓	✓	✓	✓	✓	✓

* Long contact time or intensive scrubbing can cause image damage

:Zenith N555

Analogue Plates

A robust, multi-purpose negative working printing plate.

:Zenith N555 for optimum press quality and performance over a wide range of press conditions.

A product of Agfa Graphics' unique plate manufacturing technology, :Zenith N555 offers an inherently wide press latitude, low water consumption and an easy ink/water balance with unparalleled consistency. The plate can be used for a variety of applications, from the largest newspaper or commercial web house to continuous stationery, packaging, metal printing or the smallest sheet fed printer.

Optimum quality and performance

- **Rapid vacuum drawdown**

- **Short exposure time**

- **Reduced undercutting**

- **Fast and simple processing**

- **Low chemistry requirements**

- **Excellent print quality**

- **Consistent ink/water balance**

- **Easy plate cleaning**

AGFA *Agfa*

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:Zenith N555

Technical Specifications

Plate type	• Electrochemically grained an anodized aluminium, with a diazo based coating
Gauges	• 0.15, 0.20, 0.24, 0.30, 0.40 mm
Imaging Resolution	• Approx. 2% - 97% at 150 lpi
Safelight	• Yellow/gold fluorescent tubes, window covered with UV-protection film
Exposure energy (Ugra solid 3, Stouffer solid 4)	• ~ 230mJ/cm2
Image colour	• Dark green
Processor type	• All standard processors
Processing chemicals	• EN 232 / ND232 / Prima ND 500
Developer dwell time	• 16 ± 4 sec
Developer temperature	• 24°C ± 3
Developer consumption	• 40 m2/l EN 232 or 45 m2/l ND 500
Replenishment rate	• 30-50 ml/m2
Ideal gum	• Newsfilm RC 794 • RC 975, RC791 or Unifin for commercial
Typical run length	• Newspaper 150K+ • Commercial 250K+ • With UV inks 250K+

Cross-section of :Zenith N555 negative plate (computer generated)

Unique graining and anodizing ensuring high quality results in the plateroom and the pressroom.

Micro-pigmentation on the coating provide the plate with excellent vacuum assist properties during film to plate exposure.
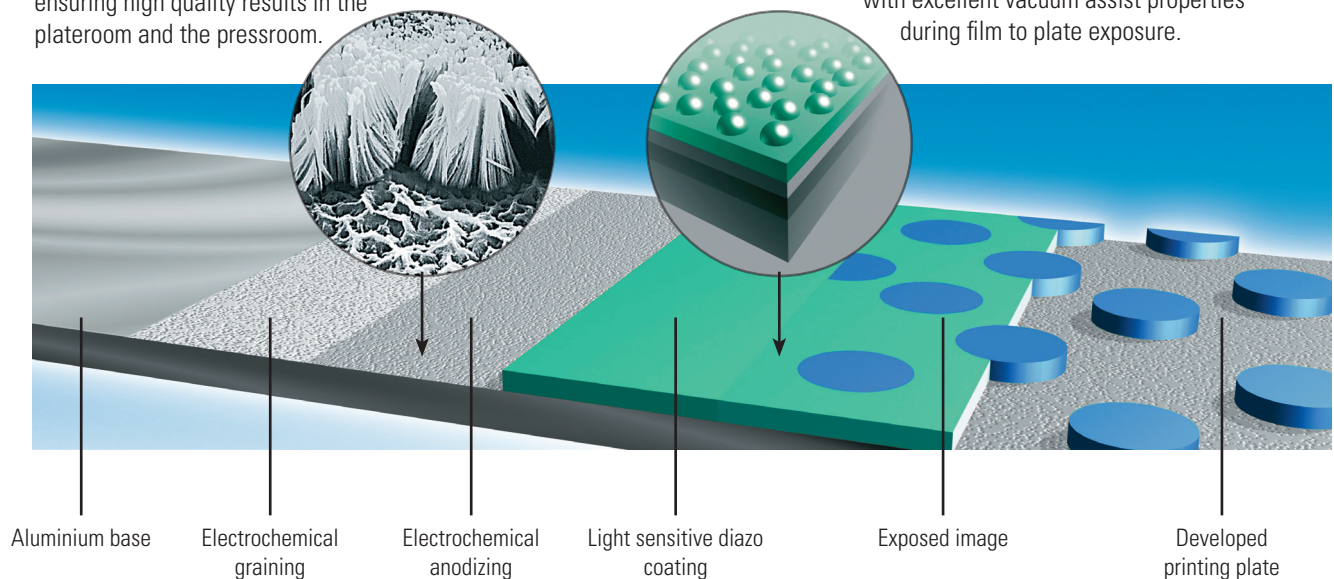
Aluminium base   Electrochemical graining   Electrochemical anodizing   Light sensitive diazo coating   Exposed image   Developed printing plate

AGFA
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