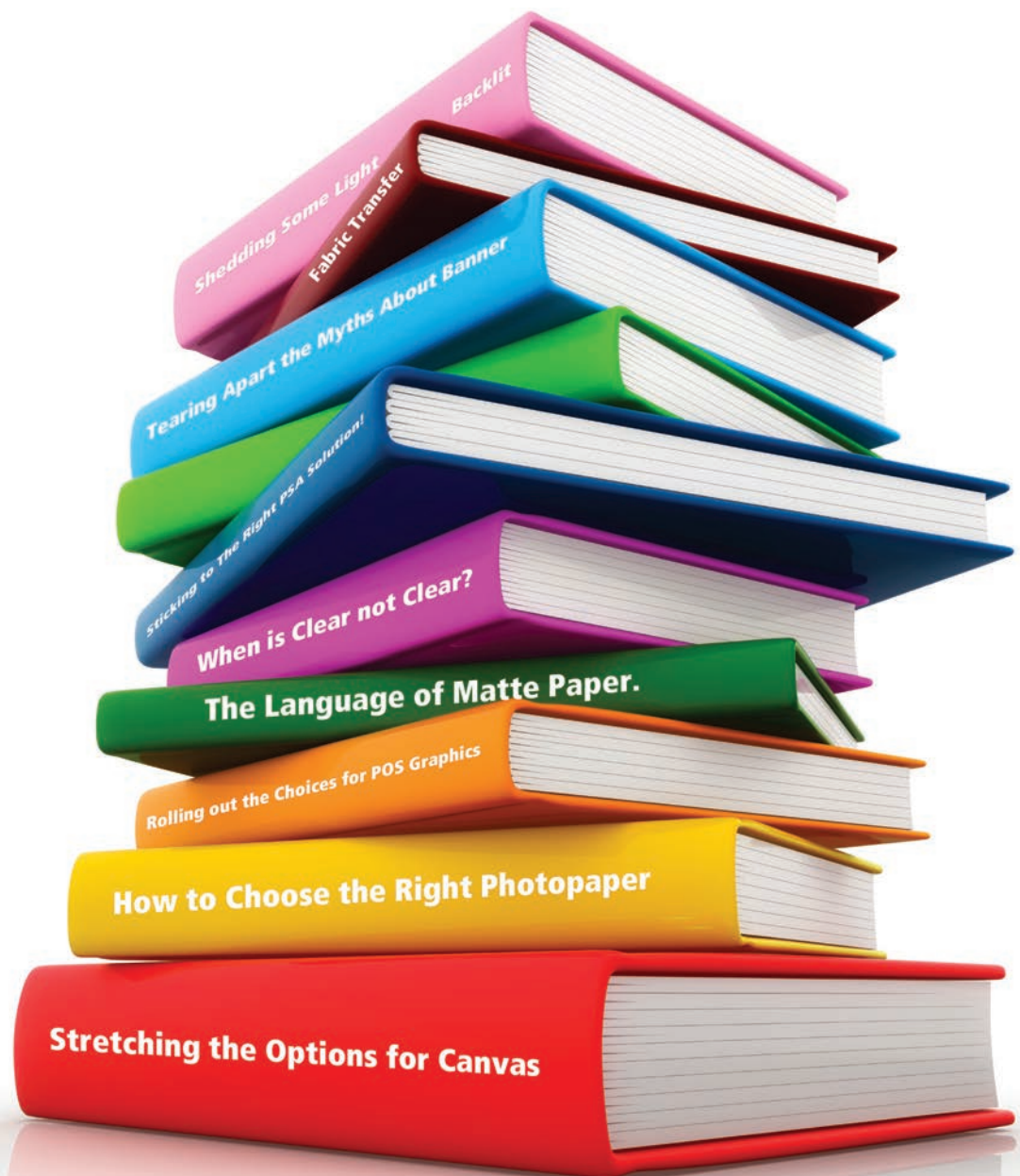


The **COMPLETE** 2015 Sihl Aqueous Media Guide



Aqueducts

Photo Media

4518 CAD Perfect™ Photo Paper Satin 8mil
4519 CAD Perfect™ Photo Paper Gloss 8mil
3620 Maranello™ Photo Paper Satin 8mil
3999 Maranello™ Photo Paper Gloss 8mil
3938 SuperSorb™ Photo Paper Gloss 9mil
3944 SuperSorb™ Photo Paper Satin 9mil
3670 Imola™ Photo Paper with PSA 9.5mil
3698 Imola™ Photo Paper Pearl 7mil

Imaging Papers

3150 Tucson™ 2 Sided IJ Matte 24#/ 90 / 4mil
3151 Tucson™ 2 Sided IJ Matte 32#/ 120 / 5.5mil
3331 TrueColor™ Paper 27#/ 100 / 5mil
3333 TrueColor™ Paper 37#/ 140 / 7mil
3335 TrueColor™ Paper 48#/ 180 / 9mil
3143 ColorMAX™ Paper 48#/ 180 / 7mil

POS Media

3900 SyntiTec™ Polypro Outdoor Film 6mil
3171 IJ SuperDry™ Rollup Film Backlit Film 5mil
3136 ExhibitPRO™ 6 Rollup Film Blockout 6mil
3139 ExhibitPRO™ 9 Pop-up Film Blockout 9mil
3209 QuickSTICK AQ Matte Adhesive Backed Fabric
7mil / 13mil with liner
3502 Expo™ Fire Retardant Banner 12mil
3635 Standard™ Vinyl PSA 11mil
3988 Classic™ Vinyl PSA 11mil
3539 SyntiTec™ Polypro Film with EasyTack™ 13mil
4378 Vinyl™ Gloss PSA 11mil
3604 SMART™ Banner Vinyl 15mil
3960 Scrim Banner Vinyl 15mil
3162 Vision™ Clear Film w/Side Stripe 4mil
3148 Absolute™ Clear Film with Interleaf 4mil
3160 Spirit™ Screen Positive Film 5mil
3166 ClearSTICK™ Adhesive Clear Film 2mil

Artistic Specialties

3579 Décor Brilliant™ Matte Canvas 15mil
3185 Illumina™ Semi-Gloss Canvas 19mil
3948 Instant Dry Satin Canvas 19mil
3857 Artistic™ Matte Canvas 19mil
4583 T-Printz™ Universal Light Fabric
Transfer 8mil

Backlit Film

3179 VivaLux™ Backlit Film 8.5mil
3181 Outdoor Backlit Film 6.5mil
3989 WindowGraphx™ Backlit Film
with EasyTack™ 11mil

About Sihl Digital Imaging

Sihl is a leading manufacturer of digital print media for display graphics, photo and art reproduction, point-of-sale advertising, CAD, office and at-home printing.

Sihl's expansive portfolio of digital imaging media includes: photo papers, 100% recycled, pressure sensitive block-out and presentation matte papers, clear, white and backlit films, semi rigid film for pop-up and roll-up displays, canvas, scrim banner, pressure sensitive vinyl, adhesive backed papers and films, and fabrics transfer papers.

Sihl is a part of the Diatec Group of companies. Headquartered in Cles, Italy, Sihl has manufacturing sites in the USA, Germany, France, Italy and Switzerland. Diatec is a manufacturing Group, linked by coating films, papers and specialty substrates as our source of value addition...

We are "THE COATING COMPANY."

About Our Group

The foundation stone was laid in Milan, Italy by Diego Mosna when he founded Diatec in 1970. Today we are an internationally active group of companies that focuses on refining paper and films and specializes in superior technical applications.

Continual product development and increasingly short life cycles necessitate not only state-of-the-art production facilities, but also a high level of technical know-how and skill, combined with a business instinct and the ability to put ideas into practice.

The Diatec Group strives to be not only a supplier, but also a partner to its customers.

Locations

Sihl - Arkwright Production Site

Rhode Island, USA



Sihl GmbH Production Site

Duren, Germany



Sihl AG Production Site

Bern, Switzerland



Diatec S.p.A.

Cles and Arborio, Italy



Diatec Cles S.p.A.

Cles, Italy



Diatechnologies s.a.s.

Châteauroux, France



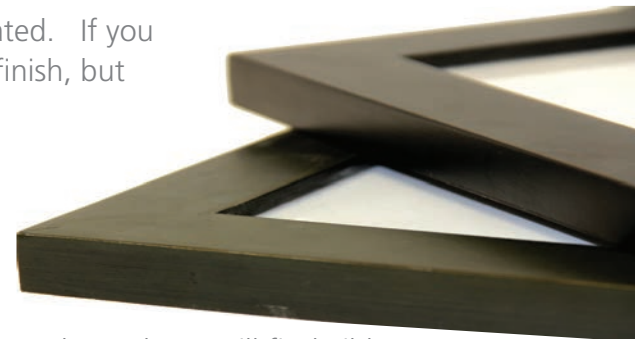
How to Choose the Right Photo Paper

Sihl breaks down the top photo applications and the right media to match.

Choosing the right photo paper can be as simple as it can be complicated. If you go by the numbers, you could differentiate the products by caliper or finish, but that doesn't really help you choose the right paper, does it?

Sihl manufactures a full portfolio of photo papers for every application that features a wide color gamut, accurate skin tones, rich blacks and fast drytimes.

Locate the application below that best describes what you are trying to make and you will find Sihl's recommendation for the right media to match.



**BEST WITH
DYE INK PRINTERS**

4518 CAD Perfect™
Satin Photo Paper - 7.5 mil



» If you still have a HP5000 / 5500 with dye ink or a new CAD printer with dye ink, most photo papers will print great initially, but turn "green" due to ozone exposure within a short period of time.

» **4518** CADPerfect™ Satin is a 7.5 mil satin photo paper designed to maintain color stability with dye ink. The unique coating design offers instant dry performance with a premium photo finish.

Also See:

» **4519** CADPerfect™ Gloss

Compatible printers include but are not limited to:
HP 5000 / 5500
HP 500 , 1050, 4000
HP T100, T1200, T1700
Canon iPF 500 / 600 / 700 / 800



**BEST FOR
EVERYDAY POSTERS**

3620 Maranello™



...and easy handling for post production processing?

Top Pick

» **3620** Maranello™ is a universal, instant dry, satin photo paper. The 8 mil thickness is designed to maximize printing and post production work. The microporous coating means your prints will be instantly dry and water resistant. The neutral base color provides the ideal starting point for advanced color work and accurate prints.

Also See:

» **3999** Maranello™ Gloss



**BEST FOR
FRAMING / GALLERY**

3944 SuperSorb™
Satin Photo Paper - 9 mil



» Perfect for framing or gallery quality prints, when everyday photo paper is too thin.

» **3944** Supersorb™ Satin is a 9 mil, instant dry, satin photo paper designed to produce the brilliance of color and depth of detail required for gallery quality collections.

Also See:

» **3938** SuperSorb™ Gloss



**BEST FOR
MOUNTING / PROTOTYPES**

3670 Imola™
Pearl Photo Paper PSA - 9.5 mil



» If you want to create a poster adhered to a mounting board or other surface, why make the process more complicated than it has to be?

Top Pick

» **3670** Imola™ PSA is an instant dry, 7 mil photo paper with a 2 mil, silicon, release liner. The proprietary base paper and coating allow for maximum flexibility without cracking - even for 90° folds in prototype applications. The specially formulated, adjustable adhesive allows for easier application to a variety of mounting surfaces.

Also See:

» **3698** Imola™ Pearl



www.bciimage.com
866 971-1008

The Language of Matte Paper

Sihl helps translate the language of matte papers into four easy choices.

Choosing the right matte paper is all about the numbers and the letters.

24lb or 32lb...C2S or C1S... If it's all "Greek" to you, decide which of the 4 categories below meet your application requirements and you will find Sihl's recommendation.



Aq Ltx UV

**BEST FOR
PRINTABLE BOTH SIDES
IMPOSITION PAPER**

3150 Tucson™ 90 Matte
Paper - 4 mil

Aq Ltx UV

**BEST FOR
HEAVYWEIGHT
COATED PAPER**

3333 TrueColor™ 140 Matte
Paper - 7 mil

Aq Ltx UV

**BEST FOR
EVERYDAY
POSTERS / SIGNS**

3143 ColorMAX™ 180 Matte
Paper - 7 mil



» Two side printable papers, also called C2S, are strictly defined by numbers; basis weight, caliper, whiteness, brightness and roll length.

» **3150** Tucson™ 90 is a 24lb C2S, smooth, bright white presentation paper. The instant dry, matte finish provides "plug and play" printing when selecting standard "coated paper" or "Heavyweight coated paper" mode on most printers. 3150 is ideal for a variety of applications ranging from imposition proofing to low cost posters.

Also See:

» **3151** Tucson™ 120



» A heavyweight coated paper can be the right choice for many reasons; including cost, weight, and finish.

» **3333** TrueColor™ 140 is a "green," bright white, matte paper. The instant dry, matte finish provides "plug and play" printing when selecting standard "coated paper" or "Heavyweight coated paper" mode on most printers. 3333 is ideal for a variety of applications ranging from imposition proofing to low cost posters. The 98% opacity minimizes show through when mounting to irregular or non-white surfaces.

Certified for
HP Latex inks

Also See:

» **3331** TrueColor™ 100
» **3335** TrueColor™ 180

» Tired of matte papers that won't dry, cockle through to the backside or coalesce in high ink areas? Look no further. We call it MAX for a reason!

Top Pick

» **3143** ColorMAX™ 180 is a bright white, premium, matte paper that can tackle your most demanding inkload, drytime and shadow detail requirements. The instant dry, matte finish provides "plug and play" printing when selecting standard "coated paper" or "heavyweight coated paper" mode on most printers. 3143 is ideal for a variety of applications as an economical alternative to photo paper.

Rolling out the Choices for POS Graphics

See why this demanding application requires a calculated approach.

Choosing the right point of sale, retractable, pop-up, or tradeshow display film is a complex equation balancing durability and cost. A low cost graphic that looks great but tears too easily is no more successful than an indestructible graphic that only needs to last for one event. The choices can be overwhelming. That is where Sihl comes in...



Choices...

Polyester Film

The top choice for durable banners and POS signage because of its tear resistance and lay flat qualities.

Polypropylene

The economical choice for short term banners and POS signage because of its lower tear resistance and durability.

Polyester Fabric

A unique look and feel, fabric offers soft hand "drape" with good tear resistance and lay flat.



**BEST FOR
VALUE BANNERS
(POLYPROPYLENE)**

3900 SyntiTec™ Matte
Polypropylene - 8 mil



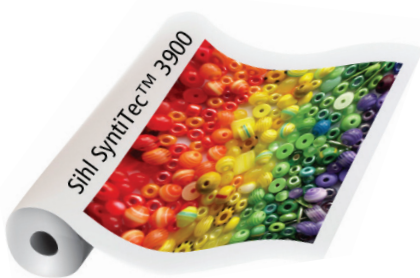
**BEST FOR
ROLL-UP BANNERS / POS
(POLYESTER)**

3171 SuperDry™ Gloss
Roll-up Film - 5 mil



**BEST FOR
DURABLE EXHIBIT GRAPHICS
(VELCRO / MAGNETIC)
WITHOUT "SHINE THRU"
(POLYESTER)**

3139 ExhibitPRO™ 9 Satin
Pop-up Film - 9 mil



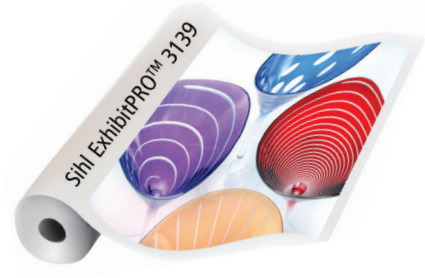
» Not every banner needs to withstand repeated rolling and unrolling. Need a retractable or hanging banner for short term use? This is it.

» **3900** SyntiTec™ is a premium, high performing polypropylene film with a 8 mil thick base and a bright white, outdoor durable, matte print surface for universal compatibility. 3900 also features anti-curl coating technology to minimize curl pre and post application.



» For an economical alternative to 3170, we made the film a little thinner and removed the "shine-through" protection. Same durability and "color pop."

» **3171** SuperDry™ Roll-up is a 5 mil, white polyester film with the same instant dry, glossy finish as 3170. This thinner version is designed for more economical projects where light blockout is not required. 3171 can be paired with either low-melt or pressure sensitive overlaminate for additional protection and thickness, or used un laminated.



» Looking to pair a thick print film with a thick overlaminate to create an indestructible exhibit graphic?

Top Pick » **3139** ExhibitPRO™ Pop-up is a 9 mil, white polyester film with an instant dry satin finish for outstanding "color pop" and a grayback for 100% light blockout. The durable, 9 mil, polyester construction is intended to pair with 10 or 15 mil overlaminates to create an indestructible tradeshow panel engineered to withstand repeated rolling and unrolling without tearing or edge fraying. 3139 is the ideal media for tradeshow, retail and other point-of-purchase displays.

Also See:

» **3136** ExhibitPRO™ Roll-up



www.bciimage.com
866 971-1008

Sticking to the Right PSA Solution!

How to avoid a sticky mess by choosing the right adhesive media.

Choosing the right PSA solution requires only two pieces of information. What are the properties of the mounting surface and how long do you want it to stay there?

OK, there's a little more to it than that!

Here are some basic facts to help figure out the difference between the base material choices.

Paper certainly does not have the flexibility, tear resistance or durability of vinyl, but it also won't shrink over time and is easier to apply. Sihl Imola™ PSA, features a premium, instant dry coating, low glare finish, and an adjustable adhesive, perfect for posters or prototypes.

Polyester is dimensionally stable so it won't tear or shrink. In the case of 3166 ClearSTICK™, it can also be extremely clear.

Vinyl is soft and flexible, won't tear easily and is extremely durable. However, vinyl shrinks over time. This is especially a problem when printing edge to edge.

Polypropylene is a good balance between cost and durability. It has better tear resistance and durability than paper, but is certainly not tearproof. Polypro, like paper, won't shrink over time and is offered by Sihl, both with an Easy Tack™ adhesive (Easy on...Easy off) and a permanent adhesive.

Aq UV

BEST FOR INDOOR PERMANENT (VINYL)

3635 Standard™ Matte Vinyl PSA - 11 mil

Aq UV

BEST FOR ROUGH / TEXTURED SURFACE (VINYL) OUTDOOR

3988 Classic Matte Vinyl PSA - 6 mil

Aq UV

BEST FOR SMOOTH SURFACE REMOVABLE WALL GRAPHICS (POLYPRO)

3539 SyntiTec™ Matte Polypro with EasyTack™ - 9 mil

Aq UV

BEST FOR REMOVABLE / REPOSITIONABLE FLAT SURFACES

4378 Vinyl PSA - 11 mil (4mil film / 7mil liner)



» The flexibility, application and durability of vinyl are still unmatched. Standard™ Vinyl is one of the best!

» **3635** Standard™ Vinyl is a flexible, 6 mil, calendared vinyl with a permanent acrylic adhesive and a durable matte coating. The permanent, acrylic adhesive provides a strong, long term bond for most indoor applications. The durable, matte coating provides universal compatibility on the most common aqueous inkjet printers.



» Rough textured walls
» Coroplast, or other ridged board surfaces

Top Pick » **3988** Classic™ Vinyl is a premium, outdoor-durable, calendared vinyl for long lasting applications. The bright white, inkjet coating provides universal compatibility on the most common dye and pigment ink printers. It also provides water and fade resistance for long term outdoor use. The permanent solvent adhesive is ideal for strong, lasting adhesion to flat and uneven surfaces.



» Smooth surfaces (glass or smooth walls)
Stick it and unstick it!

» **3539** SyntiTec™ PP is not your average, bright white, matte coated polypropylene. What makes 3539 unique is its proprietary, low tack self-adhesive. The special, low-tack glue allows an easy, 100% bubble-free application and residue-free removal on glass and other smooth flat surfaces.

» For surfaces including walls and boards with raised structure, test prior to final application.



» Outdoor durable - 1 year without lamination
» Removable acrylic adhesive

New Product » **4378** Vinyl PSA is a premium, instant dry, gloss self adhesive vinyl offering unparalleled, print performance with all aqueous inkjet printers. The removable, acrylic adhesive is best used for flat surfaces such as walls, windows and floors. The instant dry coating, produces vivid color graphics with outstanding detail and accuracy using standard "photo paper" settings on most printer drivers and RIP software. 4378 Vinyl PSA can be overlaminated to increase the durability and lifespan of the finished graphic

Tearing Apart the Myths About Banner

How to focus on the facts

When choosing the right banner material, durability and finishing are at the top of the list. For banner applications using aqueous inkjet, traditional scrim banner is still the most durable and most common. But don't ignore choices that offer fire retardency, environmentally friendly characteristics and economical alternatives if your banner is short term or for indoor use only.

Aq UV

**BEST FOR
LONG TERM
INDOOR / OUTDOOR
(SCRIM)**

3604 SMART™ Matte
Scrim Banner - 15 mil

Aq UV

**BEST FOR
LONG TERM
INDOOR / OUTDOOR
(SCRIM BLOCKOUT)**

3960 Scrim Matte Blockout
Scrim Banner- 15 mil



» For all those applications that require durable, water resistant banner with *near* blackout characteristics. This is it!

» **3604 SMART™** Banner is an economical alternative to 3960 Banner. 3604 SMART™ PVC banner features 99% opacity and an embedded, tear-resistant, polyester, fabric layer for strength. 3604 features an ultra durable, water-resistant coating and a bright white, smooth surface for maximum print performance.

» Durable, dependable, water resistant banner for all applications. The backside, blockout layer is perfect to block either sunlight from "washing-out" the color when displayed outside or to block spot lighting when displayed indoors.

» **3960 Scrim Banner** is a premium, opaque (Blockout), PVC banner. The embedded, tear-resistant and flame retardant (B1) polyester fabric layer provides strength and durability. The ultra durable, water-resistant coating provides a bright white, smooth surface for maximum print performance.

DID YOU KNOW?

Helpful Hints from Sihl...

PERMANENT VS REMOVABLE

We're often asked what the difference is between permanent and removable adhesive. Permanent adhesives will generally activate on contact, making second chances for installation rather difficult. They also form a lasting bond, which means there is usually residue to remember them by if attempting to remove them. Removable adhesives are designed to come off with relative ease even after extended contact. And generally they remove with little or no residue remaining on the mounting surface. However, the longer a "removable adhesive" is left in place, the stronger the bond becomes. In other words, all removable adhesives eventually become permanent.

SOLVENT VS AQUEOUS

Solvent adhesive products tend to be more expensive, as the manufacturing of solvent based adhesives requires more stringent safety controls. Yet solvent adhesives offer a more outdoor durable solution as the strength of their adhesive bond is not weakened by exposure to moisture. Solvent adhesives are really only required for long term, outdoor applications (>5 years) such as vehicle wraps. For a life expectancy less than 3 years, either solvent or aqueous adhesives will do just fine.

DO I HAVE A SMOOTH SURFACE OR A TEXTURED SURFACE?

When graphic installers talk about smooth surfaces, they are usually talking about windows or mounting boards. Most walls have some texture from either the drywall, paint, or plaster. Low-tack adhesives (like Sihl EasyTack™) are designed for smooth surfaces. A textured surface does not provide enough surface area for the low-tack adhesive to grip and maintain its adhesion. For these surfaces, select any of our permanent or removable adhesive products.

You can always test the surface first. Cut a small piece of Sihl EasyTack™ film. After cleaning the wall surface with isopropyl alcohol, apply a small film sample with firm pressure. Check back 24 hours later to see if the edges have released from the wall, or worse, the graphic has released entirely. If so, select a product with a more aggressive adhesive.

Aq Ltx UV

**BEST FOR
REPOSITIONABLE WALL/
SURFACE
APPLICATIONS**

3209 QuickSTICK AQ Matte
Adhesive Backed Fabric - 7 mil



» Won't fray on the edges, even when contour cutting.

New Product » **3209** QuickSTICK AQ Matte Adhesive Backed Fabric is a 7 mil bright white, adhesive backed printable woven fabric that is designed to apply and remove cleanly from virtually any surface. QuickSTICK AQ features a durable front side coating for excellent print performance, scratch resistance, and durability. Easy and wrinkle free application, combined with a repositionable, adhesive, makes QuickSTICK AQ ideal for a variety of applications.

Aq Ltx UV

**BEST FOR
FIRE RETARDANCY
OR SOFT HAND
(POLYESTER FABRIC)**

3502 Expo™ Matte
Fire Retardant Banner - 12 mil



» Fabric offers soft hand and pleasing drape with good tear resistance and layflat qualities.

» **3502** Expo™ Banner is a 12 mil, flame retardant (M1 certified), ultra durable, water-resistant banner. The M1 certification is the best in class certification for flame spread and a common requirement for tradeshow and other installations. Expo Banner™ has a bright white, outdoor durable coating and a flexible, tear resistant base, making it ideal for applications ranging from roll-up displays to outdoor banners.



DID YOU KNOW? Helpful Hints from Sihl...

MATCHING PRINT FILMS AND OVERLAMINATES

Matching similar thickness and material types of print films, overlaminates and backers is the best way to create an ultra durable sandwich for your graphics. For example, 6 mil printable polyester and 15 mil polycarbonate overlaminate is not a good solution. The rigid polycarbonate will ultimately delaminate from the polyester face film at the most inopportune time.

For backwall displays (>20mil), start with a 9-12 mil film and pair it with a 10-15 mil laminate.

*For retractable displays (<12 mil), start with a 4-9 mil film and pair it with a flexible overlaminate <5 mil thick.

* if using an overlaminate

APPLYING VELCRO STRIPS OR MAGNETIC TAPE

Before you apply full, 1" velcro strips to every edge of your tradeshow graphic, remember your graphics will likely be rolled and stored for an extended period of time. By applying velcro in 1/2" strips and slitting the pieces every 12"-24" to align with the diameter of the roll, you will prevent the velcro from buckling during extended storage. This will ultimately help prevent delamination and extend the life of your graphics.

Or follow this simple montra...
Don't overuse velcro.

HOW TO ROLL TRADESHOW GRAPHICS

Since tradeshow graphics go through a tremendous amount of stress from rolling and unrolling, everything that can be done to minimize this stress can help prevent delamination and extend the life of your graphics.

For shipping and storing:
Roll laminated graphics image side out (this refers to the side on which the ink is printed), no smaller than a 9" diameter. If possible, store flat for longer storage periods. If velcro is applied to the backside, place a slip sheet or protective paper next to the velcro to prevent it from scratching your finished surface.

When is Clear not Clear?

How to choose the right clear film

Choosing the right clear film is a simple game of A, B or C.

A = Clarity

B = Print density

C = Both

Once you have determined which characteristic is most important to you, simply match the compatibility with your printer.



Simple right?

Don't worry if you are still confused? We'll help you through it.

Aq UV

**BEST FOR
OVERLAYS
(LOWER INK LOAD)**

3162 Vision™ Gloss
Clear Film with Side Stripe - 4 mil



» Looking for a clear film for plate separations, overlays or other applications that require clarity but less than 200% inkload?

Top Pick » **3162** Vision™ Clear Film with Side Stripe is a 4 mil, universally compatible, clear, polyester film with removable side stripes. The side stripe enables compatibility with HP and other brand printers that search for the media edge before printing. The universal coating is designed to provide good print performance and still maintain the clarity of the film.

Aq UV

**BEST FOR
CLEAR GRAPHICS
(HIGH INK LOAD)**

3148 Absolute™ Gloss
Clear Film with Interleaf - 4 mil



» Tired of clear films that don't dry or aren't really clear?

» **3148** Absolute™ Clear Film with Interleaf is the clearest inkjet film available today. This 4 mil film features extremely fast drytimes and high inkload capacity without sacrificing true optical clarity. 3148 also features an acid free interleaf paper to prevent scratching as the film feeds through any printer. The interleaf paper provides universal compatibility with printers utilizing media sensing systems and provides needed contrast for print viewing prior to application. 3148 is designed for film separations, window graphics, package prototyping and other applications requiring optical clarity.

Aq UV

**BEST FOR
HIGH DENSITY NEGATIVES
OR POSITIVES**

3160 Spirit™ Gloss
Screen Positive Film - 5 mil



» Looking for a screen positive or negative film with a low Dmin (haze), a high Dmax (k density) and instant dry performance? 3160 Spirit™ Screen Positive Film delivers.

Top Pick » **3160** Spirit™ Screen Positive is a 5 mil, dimensionally stable, polyester film, featuring a low UV Dmin and a high UV Dmax. 3160 uses a unique, microporous coating designed specifically for use in creating screen positives and negatives with dye or pigment aqueous ink jet printers.

Aq UV

**BEST FOR
WINDOW GRAPHICS**

3166 ClearSTICK™ Gloss
Clear Film with Adhesive - 2 mil



» Tired of window films that are hard to apply, or are more frosted than clear?

» **3166** ClearSTICK™ is a 2 mil, clear, polyester film with an unmatched, optically clear, inkjet coating on the image side. On the reverse side, 3166 features an optically clear, repositionable adhesive with a polyester release liner that provides universal compatibility with printers utilizing media sensing systems and provides needed contrast for print viewing prior to application. Sihl 3166 is ideal for interior application to virtually any surface and can be installed "wet" or dry.

» Visit www.sihlusa.com for step by step installation instructions

DID YOU KNOW?

Helpful Hints from Sihl...

WHAT IS A WET INSTALL?

A "wet" install refers to a method of applying adhesive products that uses an application fluid, a squeegee and a little patience. The result is a much cleaner and clearer install in the end (but it does require some experience). ClearSTICK™ features a unique waterbased adhesive that becomes cloudy for the first 24-48 hours after "wet" install, yet dries optically clear. For detailed installation instructions, visit www.sihlusa.com

Stretching the Options for Canvas

See how subtle differences can make a big difference to your final print.

The demand for printed canvas has ballooned in recent years and it doesn't show any sign of slowing down. Today's market reaches well beyond traditional wedding and portrait studios, to commercial and home decorating and fine art licensed duplication. Water-based (aqueous) inkjet still offers the best color fidelity, shadow depth and line acuity. For high-end canvas reproduction, this is still the only choice.

Choosing the right canvas still starts with whether you are going to finish your print and how.

DID YOU KNOW?

THE TRUTH ABOUT OPTICAL BRIGHTENER (OBAs)

There are more myths than truths floating around the industry about optical brighteners and their impact on archivability. OBAs are not inherently bad, and the presence or lack of OBAs does not inherently make something archival or not. OBAs do create the appearance of higher whiteness and richer printed colors. If unprotected, this will dissipate (fade) over a long period of time. In the case of canvas, the "faded" result will be similar to the original color of the base canvas. If you plan to use a liquid overcoat, this will protect the enhanced whiteness and significantly minimize the fading over time.

Aq UV

**BEST FOR
ECONOMICAL PRINTS**

3579 Décor Brilliant™ Matte
Canvas - 15 mil



» For price conscious projects, matte canvas that offers good quality print performance mixed with soft hand and even texture.

» **3579** Décor Brilliant™ is a 15 mil, bright white, matte canvas with excellent print quality and color gamut, designed for framed art or photo reproduction. Décor Brilliant™ uses a natural looking base that provides excellent opacity, strength and edge crack resistance from its unique ratio of polyester and cotton.

Aq UV

**BEST FOR
COLOR GAMUT AND
BLACK DENSITY**

3185 Illumina™ Semi-Gloss
Canvas - 19 mil



» Quite simply the best inkjet printable canvas on the market today. Premium print performance and 180° folding without edge cracking. "Gallery Wrap Canvas"

Top Pick » **3185** Illumina™ is a premium canvas by every definition. With a 2:1 structure and a semi-gloss, microporous coating, Illumina™ is the ideal canvas for the most demanding photographers, artists and print shops. Illumina™ works well with all leading brands of liquid coatings to help protect the image. It also has excellent flexibility so it can be stretched and folded without cracking.

Aq UV

**BEST FOR
PREMIUM PRINTS**

3948 Instant Dry Satin
Canvas - 19 mil



» Premium satin canvas optimized for stretching without cracking.

» **3948** Instant Dry Canvas is a 19 mil, 2:1 satin canvas which is designed to provide excellent print quality and instant drytimes. It is compatible with all leading brands of liquid coatings which help protect the image and create the desired gloss level.

Aq UV

**BEST FOR
ARCHIVAL MATTE
(NO OPTICAL BRIGHTENER)**

3857 Artistic™ Matte
Canvas - 19 mil



» For installations that require archival properties, "OBA Free" coatings offer stable white points for extended periods (read about OBAs and archiveability in our "Did you Know" section).

» **3857** Artistic™ is a 19 mil, premium, matte canvas optimized for stretching without cracking. Artistic™ Canvas is designed to provide excellent print quality, instant drytimes, and compatibility with all leading brands of liquid coatings to help protect the image and create the desired gloss level.

Fabric Transfer Done Right.

How to make the perfect print and transfer every time.

Have you ever seen a customized t-shirt, bag or other garment and wondered how they were made? Short run customization would be too costly for silk screen, but T-Printz™ fabric transfer material from Sihl allows you to print, cut and transfer economically. Even in batches as small as one.



Before you heat up your iron or set up your heat press, make sure you have selected the right transfer material and you have read our step by step instructions.

Aq Sol

**BEST FOR
WHITE FABRIC**

4583 T-Printz™ Universal
Light Fabric Transfer - 8 mil



» Easy to use, printable fabric transfer for light fabrics.

» **4583** T-Printz™ Light is an inkjet printable fabric transfer specifically designed to be applied to light or white colored fabrics where the fabric color is required to show through. T-Printz™ Light should be reverse printed and then applied to the fabric using a heat press or home iron.

DID YOU KNOW?

Helpful Hints from Sihl...

PRINTER CUT INSTRUCTIONS:

- To prevent the blade cutting all the way through the release liner, lower the pressure setting substantially from standard vinyl and complete a test cut procedure

HEAT PRESS INSTRUCTIONS:

- 100% Cotton garments - 375°F / 20 sec
- For Poly/Cotton blends - 335°F / 15 sec
- Set heatpress pressure to firm or heavy

WASH INSTRUCTIONS:

- For longest lasting results use delicate mode
- Turn garment Inside out
- Tumble dry light or no heat

* T-Printz™ Universal Dark is best for small, weeded objects.

Shedding Some Light on Backlit

What really matters when comparing backlit films?

Choosing the right backlit film can be tricky. Let's be honest. The most important aspects when choosing a backlit film are density, density, and density. Regardless of whether your graphic is going inside or outside, whether it is large or small, mounting to plexi-glas or "sandwiching" between two layers, you want your blacks to be dark, your colors vibrant and your graphic flat.

Sihl will show you how.

Aq **UV**

**BEST FOR
INDOOR BACKLIT
DISPLAYS**

3179 VivaLux™
Matte Backlit Film 8.5 mil



» Quite simply the best universal, aqueous backlit film on the market today. This film offers everything you want and nothing you don't.

Top Pick

» **3179** VivaLux™ is a 8.5 mil, instant dry, front-print, polyester, backlit film that can be displayed with either daylight or backlight. The super absorbent, matte, inkjet coating provides instant drytimes and ultra wide color gamut with "plug and play" printing when selecting standard "backlit film" mode on most printers.

Aq **UV**

**BEST FOR
OUTDOOR BACKLIT
DISPLAYS**

3181 Outdoor
Matte Backlit Film - 6.5 mil



» Long term outdoor durability with aqueous inks is not something you can achieve with an overlamine and an edge sealer. So if you want the speed and quality of aqueous printers with the durability of solvent..Sihl has you covered

» **3181** Outdoor Backlit Film is a 6.5 mil, instant dry, front-print, polyester, backlit film designed for outdoor durable displays. The special inkjet coating provides superior water resistance, scratch resistance and fade resistance without sacrificing print quality and drytime. 3181 is also OBA free, so the background color will not fade over time.

DID YOU KNOW?

Helpful Hints from Sihl...

WHAT IS EASYTACK™?

The proprietary low tack self-adhesive and liner combination, applied to the backside of a variety of Sihl film products, allows for easy, 100% bubble-free application and residue-free removal on glass surfaces.

Aq **UV**

**BEST FOR
WINDOW GRAPHICS
(EASY ON AND OFF)**

3989 WindowGraphx™
Matte Film with EasyTack™ - 8 mil



» Print...Install...Remove. Short term window films need to be easy to print, easy to install, and easy to remove.

» **3989** WindowGraphx™ is a short-term, outdoor durable, backlit film designed specifically for window applications. The proprietary, low tack, self-adhesive on the backside allows for easy, 100% bubble-free application and residue-free removal on glass surfaces.

Extra Credit

DID YOU KNOW? Helpful Hints from Sihl...

Sihl Imola™ Latex Photo Papers are designed to deliver the same pearl finish, as well as the same great print and post production processing as the aqueous Imola™ Photo Papers.

The proprietary, microporous coating developed for the Imola™ latex family of papers offers excellent photo quality results without shrinking, cracking, or blistering from the curing temperatures of the HP Latex printer series.

Microporous photo paper printed with dye ink or a combination of dye and pigment (used in many CAD printers) will fade or discolor, if not laminated, due to ozone exposure.

Sihl CADPerfect™ papers are specially designed to eliminate this color shift so you can make long lasting prints without lamination.

Acid Free and pH neutrality are often misconstrued to indicate archivability or print longevity.

For inkjet printed photos, archivability and print longevity are a function of ink and many environmental factors including temperature, humidity, incidence of UV light, airborne pollutants and others.

To best ensure the long life of your prints, store or display them out of direct sunlight or behind glass.

Class **DISMISSED.**

