

Product Reference Guide

Photo Paper, Backlit, Canvas, Banner, Wall Films & Adhesive Paper



ABOUT SIHL DIGITAL IMAGING

SiHL manufacture a range of films including: photo papers, 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 perfect for creating stunning graphics on advertising, point

of sale and display. The name SiHL is from the river in Switzerland on which the founders built a paper mill in 1478 to fill demand that follows Gutenberg's invention of mechanical movable type.

To view our full range of SiHL products visit:
<http://www.gamart.com.au/sihl.aspx>

CHOOSING THE RIGHT IMAGING PAPER

SiHL manufactures a full portfolio of multi-layer coated, water and outdoor resistant papers under the **TriSolv™** name. Providing excellent scratch resistance without lamination **TriSolv™** papers are qualified for outdoor application, including billboard and wet posting.

The key when choosing the right photo paper is to start with the application and key requirements then work backwards. Just ask yourself...

- ✓ Will there be bright lights that create glare? Start with a satin or matte finish to reduce glare without sacrificing colour or pop - this finish also minimises the view of fingerprints.
- ✓ For a true photopaper feel, **TriSolv™** Photo Art is what you need!

MEDIA	FINISH	WEIGHT	FEATURES	SIZE	INK COMPATIBILITY	APPLICATION
3454 Solvent PE	Gloss	240 gsm	- PE Coated for optimal stiffness - Water-repellent and scratch proof - Radiate in deep rich colours and high colour brilliance	1.372 x 30m	- Eco-solvent - Solvent - Latex - UV	- High quality photo reproduction - Indoor advertisements
3526 QuadraSorb	Matte	150 gsm	- Cockling free - Instant dry paper with high ink saturation - FSC ® certified - Excellent image quality	1.372 x 30m	- Eco-solvent - Solvent - Latex - UV	- Photo-realistic print outs - Indoor adverts
3699 TriSolv™ PhotoArt	Gloss	210 gsm	- Water-repellent surface - Homogeneous gloss - Brilliant colour reproduction - High colour saturation - FSC ® certified	1.372 x 45m 1.620 x 45m	- Eco-solvent - Solvent - Latex - UV HP Certified	- High quality photo reproduction - Indoor adverts
3686 TriSolv™	Gloss	200 gsm	- Water-repellent surface - High degree of stiffness - Scratch and fade resistance - Can withstand folding without cracking - FSC ® certified	1.372 x 50m 1.524 x 50m	- Eco-solvent - Solvent - Latex - UV HP Certified	- High quality photo reproduction - POP posters and signage - Billboards and outdoor advertising - Lightbox displays
3684 TriSolv™ PrimeArt	Gloss	135 gsm	- Water and fade resistant - Scratch resistant - Excellent image quality - FSC ® certified	1.372 x 61m 1.626 x 61m	- Eco-solvent - Solvent - Latex - UV	- High quality photo reproduction - POP posters and signage - Lightbox and outdoor advertising
3689 TriSolv™ PostArt	Satin	135 gsm	- Bright white - Resistant to temperature and humidity - Excellent wet strength properties - Brilliant colour reproduction - FSC ® certified	1.372 x 61m 1.524 x 61m	- Eco-solvent - Solvent - Latex - UV	- POP displays - Lightbox and outbox advertising - Billboards

BACKLIT FILMS

The most important aspect when choosing a backlit film is density as you want your blacks to be dark, your colours to be vibrant and graphic flat. Having a uniform diffusing layer (the white translucent part of the film) will prevent “hot spots” or pinholes on the graphic from the light behind.

Sihl **Optilux™** backlit film features a unique, super absorbent, matte coating which may look washed out and dull coming off the printer... But delivers outstanding ‘image-pop’ and vivid colour when placed in a backlit box or lit from behind. No matter what the temperature or conditions, the graphics will remain flat.

Developed for “lights on” applications, the matte coating provides incredible colour density and a particularly wide colour gamut.

MEDIA	FINISH	WEIGHT	FEATURES	SIZE	INK COMPATIBILITY	APPLICATION
3649 Optilux™	Matte	130 micron	<ul style="list-style-type: none"> - Tear resistant polyester film - Superior scratch, water and fade resistance - Super absorbent ink-jet coating provide solid blacks and rich colours when illuminated - Suitable for use in areas of high humidity and condensation 	1.372 x 30m 1.524 x 30m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - UV 	<ul style="list-style-type: none"> - Indoor and outdoor - Backlit signage
3567 Aurolux	Gloss	220 micron	<ul style="list-style-type: none"> - Tear resistant polyester film - Perfect colour brilliance with back lighting - Day and night application - Good scratch, water and fade resistance - Suitable for use in areas of high humidity and condensation 	1.372 x 30m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - Indoor and outdoor light box signage
3474 Vivalux Latex	Matte	200 micron	<ul style="list-style-type: none"> - Thick film making it easier to handle - High colour density and brilliance - Quick drying and long durability - Waterproof 	1.372 x 30m	<ul style="list-style-type: none"> - UV - Latex HP Certified	<ul style="list-style-type: none"> - Indoor and outdoor backlit displays
3746 Vivalux Latex	Matte	125 micron	<ul style="list-style-type: none"> - Single-sided polyester film - High quality density and brilliance - Quick drying and long durability - Waterproof 	1.372 x 30m	<ul style="list-style-type: none"> - UV - Latex HP Certified	<ul style="list-style-type: none"> - Indoor and outdoor backlit displays
3550 ClearSQL	Clear	125 micron	<ul style="list-style-type: none"> - Self-adhering clear film with no release liner - Can be used as clear or cling film - Easy to apply and remove - Excellent colour brilliance - Very high transparency 	1.372 x 30m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - Window displays - Interior design - POP signage



CANVAS

Who is your customer? This will determine what canvas you decide to go with. Is it for a production house, a designer looking for a print in a lobby, or maybe a mum who wants a nice picture of her kids? Whatever the need, there is a certain type of canvas to use.

Then ask yourself how are you going to finish your canvas?

Q. Are you going to stretch your canvas?

A: 2:1 canvas is best for stretching as it is more flexible and won't crack on the corners.

Q. Are you going to apply an overcoat?

A: You can transform a matte canvas into a gloss canvas or vice versa with the application of a liquid overcoat.

Q. What about poly-cotton blends?

Heavy weight poly-cotton blend canvas coated with SiHL's advanced coatings. The coating holds the ink place to consistently deliver outstanding image quality and prevent flaking when cut. The stretch friendly construction provides excellent resistance to edge cracking when framing.

HOT TIP - MOUNTING CANVAS

Canvas prints don't always need to be framed on stretch bars. For decor and art installations you are able to mount the canvas to a variety of thin or thick boards. *The rigid back prevents damage from use in high traffic areas!*

With a laminator: Apply adhesive film and use firm pressure when marrying the canvas to the board.

With Spray Adhesive: Spray adhesive in a uniform thin coat making sure the entire canvas back is covered. Avoid excess adhesive as it can seep through to the front side.

MEDIA	FINISH	WEIGHT	FEATURES	SIZE	INK COMPATIBILITY	APPLICATION
3609 Picasso	Satin	370 gm	<ul style="list-style-type: none"> - 1:1 weave structure - Perfect for heavy ink loads and uniform prints, even with critical dark tones - Withstands folding over frames without cracking - Water repellent - Outstanding colour brilliance with homogeneous colour representation 	0.762 x 15m 1.372 x 5m 1.372 x 15m 1.524 x 15m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - High quality photo reproduction - Framed artworks - Long-term internal graphics
3378 Turbo	Satin	370 gsm	<ul style="list-style-type: none"> - 1:1 weave structure - Allows heavy ink loads and uniform prints - Water repellent coated surface - Offers good light stability - Resistant to edge cracking - Flexible finishing for ideal performance when stretched 	1.372 x 15m 1.524 x 15m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - Indoor advertisements - Framed artwork
3379 Turbo	Matte	360 gsm	<ul style="list-style-type: none"> - 1:1 weave structure - Allows heavy ink loads and uniform prints - Water repellent coated surface - Offers good light stability - Resistant to edge cracking - Flexible finishing for ideal performance when stretched 	1.372 x 15m 1.524 x 15m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - Indoor advertisements - Framed artwork

BANNER

Choosing the right POS, retractable, pop-up or tradeshow display film is all about cost and durability - something that is low in price but looks great and withstands more than just one use.

PolySol™ Blockout is made from 100% curl resistant blockout polyester base film which is designed for durability for high traffic areas where displays need to be wiped clean, repeated use roll-ups for sales representatives or recruiters. **PolySol™** offers a tear resistant base and scratch resistant coating which makes it the toughest, longest lasting solution for roll-ups and pop-ups.

PolySol™ is ideal for jobs where image and durability is important in the most demanding conditions.

SyntiSol™ films can be used outdoors without lamination for short term projects. To add durability or stiffness we recommend using a pressure sensitive overlamine.

DuraSol™ is a rigid PVC film with a silky satin finish to reduce glare and maximise colour. The tear resistant base with a water-fast coating enables images to have higher colour brilliance and exceptional definition.

POLYESTER

Top choice for durable banners and POS signage

- Tear resistant
- Lay flat
- Smooth finish

PVC

Rigid PVC films as a more versatile solution to styrene

- Tear resistant
- Outdoor / indoor durable
- Soft satin finish

POLYPROPYLENE

Economical choice for short term or low traffic displays

- Lay flat
- Smooth
- Matte finish

FABRIC

Woven and non-woven fabric appearance with great hand and drape characteristics

- Tear resistant
- Lay flat
- Outdoor durable

MEDIA	FINISH	WEIGHT	FEATURES	SIZE	INK COMPATIBILITY	APPLICATION
3515 PolySol™	Satin	180 micron	<ul style="list-style-type: none"> - Polyester film - Quick dry coatings - Grey back allows for 99.9% opacity - Resistant to tearing or edge fraying - High colour brilliance and image 'pop' 	0.914 x 20m 1.372 x 20m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - Portable display units - Retail signage - Pop-up / roll-up displays - Outdoor signage
3516 PolySol™	Satin	310 micron	<ul style="list-style-type: none"> - Polyester film - Greyback to achieve almost 100% opacity - Excellent flatness - Quick dry and wide colour gamut - Scratch, tear and water proof coating - High degree of stiffness 	1.372 x 20m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - Flat wall, exhibition or retail graphics - Indoor signage - Pop-up / roll-up displays - Outdoor signage
3392 SyntiSol™	Satin	170 micron	<ul style="list-style-type: none"> - Polypropylene film - Greyback for increase opacity - Low glare finish - Tear, water and scratch resistant - Excellent flatness 	0.914 x 40m 1.372 x 40m 1.524 x 40m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - POP signage - Pop-up / roll-up displays - Billboard advertising - High quality photo reproduction
3629 SyntiSol™	Satin	170 micron	<ul style="list-style-type: none"> - Polypropylene film - Paper like appearance - High colour brilliance, image definition and excellent durability - Tear resistant - Fast dry-time 	0.762 x 40m 0.914 x 40m 1.372 x 40m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - POP signage - Pop-up / roll-up displays
3508 DuraSol™	Satin	450 micron	<ul style="list-style-type: none"> - PVC film - Water fast coating - Cardboard like appearance - High colour brilliance, image definition and durability - High scratch resistance 	1.372 x 20m	<ul style="list-style-type: none"> - Eco-solvent - Solvent 	<ul style="list-style-type: none"> - Flat wall, exhibition or retail graphics - Indoor signage - Pop-up / roll-up displays
3408 DuraSol™	Satin	220 micron	<ul style="list-style-type: none"> - PVC film - Good rigidity and flatness - Water fast, tear and scratch resistant coating - Durable to withstand repeated rolling in portable display units without cupping, warping or scratching 	0.914 x 30m 1.372 x 30m	<ul style="list-style-type: none"> - Eco-solvent - Solvent 	<ul style="list-style-type: none"> - Portable display units - Pop-up / roll-up displays - Indoor / outdoor signage
3269 TexSol™	Matte	170 micron	<ul style="list-style-type: none"> - Light, flexible banner - High opacity - Can be stapled, sewn or used with grommets - High water resistance - Good cost : Performance ratio 	1.372 x 45m 1.524 x 45m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex 	<ul style="list-style-type: none"> - Indoor signs - Pop-up / roll-up displays

WALL FILMS AND ADHESIVE PAPER

The ability for digital print to create short run, customised wallpaper and wall covering installations has helped redefine and expand this existing marketing segment. With options ranging from wet strength paper, polypropylene, textured films and woven polyester; both environmental and technical objections to vinyl have a variety of materials to choose from.

The **Design2Wall** range is a prepaste Non-woven paper which has a paste backcoating, activated by wetting it with water. It can be hung without the need to mix wallpaper paste. Sihl **TriSolv™** line of paper starts with a unique base paper structure that allows for **TriSolv™** to be applied in a variety of applications that require wet strength and structural integrity.

MEDIA	FINISH	WEIGHT	FEATURES	SIZE	INK COMPATIBILITY	APPLICATION
2513 Design2Wall	Satin	225 gsm	<ul style="list-style-type: none"> - Backcoated with a permanent waterbased paste guaranteeing long lasting use - High opacity for good coverage, especially over hairline cracks - High dimensional stability - Water-resistant coating means no liquid lamination is required - Wide colour gamut and good colour reproduction - PVC-free and FSC certified 	1.270 x 51m 1.372 x 51m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex 	- Interior design
2514 Design2Wall	Matte	210 gsm	<ul style="list-style-type: none"> - Backcoated with a permanent waterbased paste guaranteeing long lasting use - High opacity for good coverage, especially over hairline cracks - High dimensional stability - Water-resistant coating means no liquid lamination is required - Wide colour gamut and good colour reproduction - PVC-free and FSC certified 	1.000 x 30m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex 	- Interior design
3685 TriSolv™	Gloss	275 gsm	<ul style="list-style-type: none"> - Premium poster paper - Heavy-weight release liner - Ideal for cutting plotters - Waterbased acrylic adhesive - Adheres to all virtually all clean, smooth surfaces - Water repellent surface produces excellent colours 	1.372 x 30m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - High quality photo reproduction - Stickers and labels - Indoor signage - Adhesion on stands
3683 TriSolv™	Gloss	210 gsm	<ul style="list-style-type: none"> - Multi-layer paper - Blueback for increase opacity - Permanent waterbased acrylic adhesive which is covered with a silicon release liner - Water and weather resistant - High scratch resistance 	1.372 x 50m	<ul style="list-style-type: none"> - Eco-solvent - Solvent - Latex - UV 	<ul style="list-style-type: none"> - High quality photo reproduction - Short term advertising - Indoor signage

WALL FILM APPLICATION

HOW TO APPLY TRISOLV™ WITH WALLPAPER PASTE (GLUE)

1. After printing allow to dry thoroughly (at least 4 hours)
2. Fold prints:
 - Fold printed side to printed side leaving 1" uncovered
 - Turn 90 degrees and repeat
3. Soak print completely in water (not glue) for up to 15 minutes
4. Push out excess water with hand, roller or squeegee
5. Place print(s) inside an air tight plastic bag (or box)
6. Allow to soak for no less than eight hours (longer periods over the weekends are ok)
7. Remove print from bag and wipe off excess water
8. Apply glue to mounting surface
9. Paste the wet TriSolv™ paper onto the billboard
10. Overlap seams by at least half an inch
11. Wipe again with the glue over the front surface of the print
12. Installation will dry

HOW TO APPLY DESIGN2WALL PAPER

1. Remove all old wallpaper or peeling paint and smooth out any rough surfaces
2. Clean with a damp cloth and wait for surface to dry
3. Submerge cut panels in water to activate the paste – unwind the panels in the water to ensure activation of all the paste
4. Hang the way one would hang any other non-woven wallpaper

It is recommended that the use of protective gloves (soft cotton) when wallpapering to protect the inks.