



Data Sheets

SOLVENT PAPER - GLOSS

DESCRIPTION

This solvent paper white back 200 is a highly opaque barrier coated white paper, which has been specially developed for printing with solvent inks, and geared towards customers who prefer a firmer haptic quality and applications which require an even greater opacity of the paper. Thanks to its excellent edge definition, colour brilliance and colour saturation, as well as its high gloss level, it is able to fulfil the highest of requirements.

It has been designed for use as high quality posters, large format billboards, advertising panels and signs. It is suitable for both indoor and thanks to its high weather and water resistance - outdoor use. As a result, it is no longer necessary to change the rolls during the production in order to cater for the various application needs.

By using the premium and standard papers taking into account a normal level of colour density for the graphic industry, the user can reduce the ink consumption by 10 - 30% depending on the printer type.

It is made exclusively from elemental chlorine free pulp (ECF).

APPLICATIONS

Photo realistic presentation print-outs, indoor poster
Vibrant photo realistic image reproduction
Indoor signs
Indoor short term promotions

Outdoor signage
Billboards & advertising
City light posters

ADVANTAGES

- excellent colour brilliance
- attractive glossy finish
- high ink limit / high colour saturation and excellent edge definition
- excellent folding properties, can be folded by hand or machine without rupturing
- can be laminated
- high opacity, therefore can be applied directly onto poster stands
- high mechanical stability, including in a high humidity environment.
- excellent wet strength and dimensional stability
- suitable for both indoor and outdoor use
- extremely easy to billpost

PROPERTIES

Weight: 200gsm

Thickness: 175um

Opacity: 98%

Gloss level (80deg): ca. 60%

Whiteness: 98%

Roughness (ra): 0.84 um

Absolute humidity: 5.8%

CONDITIONS OF USE AND STOCKING

The ink amounts must be adjusted to the paper. Please reduce the single colours cyan, magenta, yellow and black (ink restrictions) and shorten the maximum amount of ink (ink limit). This will help your costs on inks and improve your drying performance.

Please follow the recommendations of the printer and ink manufacturer. The temperature for pre-heating and drying the media should be checked previously to make sure you will achieve desired results.

Pasting application: after wetting, the paper should be kept in a plastic box in order to wet the paper sufficiently. We recommend to keep the paper wet for a least eight hours. Longer periods of time don't have any negative impact on the paper. The user is responsible for appropriate microbiological precautions.

In the event that the paper is exposed to severe climatic conditions, or if it needs to be used for a longer period of time, lamination is recommended. It is advisable to protect the edges and corners if the billboard hoarding is regularly cleaned.

To maintain the high quality of the paper, it should be stored and converted in a climate of 30-65% relative humidity and at a temperature of 10-30 degC (50-86 degF).





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SOLVENT PAPER - SATIN

DESCRIPTION

This solvent paper white back 135 is a highly opaque barrier coated white paper, which has been specially developed for printing with solvent inks.

The standard paper stands out as a result of its brilliant colours, good colour saturation and a homogeneous picture quality. As an universal poster grade paper it is equally suitable for use as posters and signs as for large format, water resistant billboards, both in and outdoors. The paper can be used for a wide variety of indoor and outdoor applications, thus improving productivity and increasing economical efficiency in the supply chain.

By using the standard paper, taking into account a normal level of colour density for the graphic industry, the user can reduce the ink consumption by 10 - 30% depending on the printer type.

It is made exclusively from elemental chlorine free pulp (ECF).

APPLICATIONS

Photo realistic presentation print-outs, indoor poster
Indoor signs
Outdoor signage
Billboards & advertising
City light posters

ADVANTAGES

Impressive colour brilliance, good colour saturation and excellent edge definition
High mechanical stability, including in a high humidity environment.
Excellent wet strength. Universal use for printers with higher or lower print resolution
Can be folded by hand or machine without rupturing
Extremely easy to billpost

PROPERTIES

Weight: 135gsm
Thickness: 115um
Opacity: 94%
Gloss level (85deg): ca. 24%
Whiteness: 99%
Roughness (ra): 1.3 um
Absolute humidity: 6.0%

CONDITIONS OF USE AND STOCKING

The ink limit, ie. the maximum amount of ink, should be adjusted depending on the printer, ink, RIP software and paper used. This limitation of the amount of ink shortens the drying time and consequently accelerates the production process.

The temperature for pre-heating and drying the media should not exceed 40degC (104degF) as overheating can impair the flatness of the paper.

When soaked in water, the paper retains its dimension stability for 3 days. The user is responsible for ensuring that the appropriate microbiological precautions are implemented.

Once mounted on a billboard hoarding, an overlaminated paper will last for 3 months.

In the event that the paper is exposed to severe climatic conditions, or if it needs to be used for a longer period of time, lamination is recommended. It is advisable to protect the edges and corners if the billboard hoarding is regularly cleaned.

To maintain the high quality of the paper, it should be stored and converted in a climate of 30-65% relative humidity and at a temperature of 10-30 degC (50-86 degF).





Data Sheets

UNIVERSAL FRONTPRINT BACKLIT

Backlit WR 160 matt is a translucent, matt inkjet coated polyester film for front printing.

It offers you a variety of possibilities in outdoor weather conditions.

Water-resistant large format printing

Brilliant and appealing translucent front prints wherever you need them
e.g. points of purchase, airports, bus stops, city lights.

UNIVERSAL FRONT PRINT features a broad range of compatibility with water, solvent and oil-based pigmented piezo and bubble-jet inks.

Designed to create brilliant colours with pigmented inks.

PHYSICAL PROPERTIES

Total weight: 180gsm

Thickness: 160um / 6,3mil

Optical density: 0.5

ADVANTAGES

Designed to create brilliant colour with pigmented inks

Excellent colour saturation by day light and back lighting

During light exposure of the whole image, the light source is not visible

Optimized colour gamut and high edge definition
through dot-size control techniques

Fast drying times.

For wide format full colour backlit display printing.

For indoor and outdoor applications

lamination recommended; condensed water may affect print quality

Front Print Film

Compatible with pigmented and dye ink systems (water, oil and solvent based)

CONDITIONS

For quality reasons Universal Frontprint should be stored and converted under conditions of 30-35% relative humidity and at a temperature of 10-30 deg. C.





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SOLVENT YUPO GLOSS & MATT

Digital print media for wide format solvent based inkjet printers

130 micron Yupo base film with glossy or matte print-receptive coating, suitable for wide format solvent inkjets, including eco-solvent inks.

APPLICATIONS:

Wide format posters

Backlit media for scrollers or light boxes

BENEFITS:

Excellent print resolution and anchorage

Lighter weight and more durable than other media

For use with pigment ink for high resistance to weathering

PRINTABLE BY:

Mimaki JV3 SP, Roland Soljet, Seiko 64S, Scitex Vision Grandjet, Pressjet, Indanit,
+ other ecosolvent printers

SPECIFICATIONS: For both Gloss & Matt

130 microns

Tensile strength: MD - 11mm TD - 30mm

Elongation at break: MD - 120% TD - 25%

Shrinkage: MD - 2% TD - 1%

HEAT RESISTANCE:

Polyolefinic based film, should not be used at temperatures over 80 degrees C





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CLEAR FILM + ADHESIVE

DESCRIPTION:

Super Clear 50 micron PET with clear removable pressure sensitive adhesive and 23 micron PET release liner. The base film is topcoated for printing by solvent and eco-solvent based wideformat inkjet printers.

APPLICATIONS:

Window graphics, decorative applications, exhibition graphics, interior design, promotional graphics.

BENEFITS:

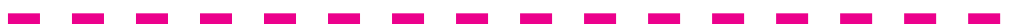
Wide format printing
Aesthetic and eye catching gloss
Waterproof
No need for over laminate or varnish
Durable, robust coating
Excellent ink adhesion
Stable, head resistant polyester film ensures no creeping or wrinkles

PRINTABLE BY:

Solvent and eco-solvent side format printers such as Mimaki JV3, Roland Soljet, Seido 64S, Arizona, Scitex Vision, Pressjet and Novo, Durst Rho 160

SPECIFICATION:

Thickness: 50um		
Tensile Strength:	MD: 20mm	TD: 23mm
Elongation at break:	MD: 125%	TD: 80%
Shrinkage:	MD: 2%	TD: 1%
		(after 30 minutes at 150 degC)





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SILVER FILM

DESCRIPTION:

Glossy silver 50 micron PET with clear removable pressure sensitive adhesive and 23 micron PET release liner. The film is topcoated for printing by solvent and eco-solvent based wideformat inkjet printers.

APPLICATIONS:

Window graphics, decorative applications, exhibition graphics, interior design, promotional graphics.

BENEFITS:

Wide format printing
Aesthetic and eye catching glossy silver mirror effect
Waterproof
No need for over laminate or varnish
Durable, robust coating
Excellent ink adhesion
Stable, head resistant polyester film ensures no creeping or wrinkles

PRINTABLE BY:

Solvent and eco-solvent side format printers such as Mimaki JV3, Roland Soljet, Seido 64S, Arizona, Scitex Vision, Pressjet and Novo, Durst Rho 160

SPECIFICATION:

Thickness: 50um		
Tensile Strength:	MD: 20mm	TD: 23mm
Elongation at break:	MD: 125%	TD: 80%
Shrinkage:	MD: 2%	TD: 1%
		(after 30 minutes at 150 degC)





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PICASSO CANVAS - for solvent machines SOL2800

DESCRIPTION:

Picasso Canvas is a single side coated Artistic Canvas (polyblend fabric) for high quality graphic arts applications on inkjet plotters and printers with solvent inks.

APPLICATIONS:

Vibrant photo realistic image reproduction
Indoor long term promotions
Framed Artwork

ADVANTAGES

- The satin finished inkjet coating is water resistant
- Excellent compatibility with solvent or eco-solvent inks
- Very good drying time, more homogeneous colours and higher colour brilliance with solvent coating
- The coating has also the necessary flexibility to avoid cracking when the canvas is stretched over borders
- The product has mainly been designed for long term indoor applications

PHYSICAL PROPERTIES:

Weight: 340gsm
Thickness: 420ums

CONDITIONS OF USE AND STOCKING:

The converting and storage should take place in a climate from 35 to 65% to relative humidity at a temperature from 10 to 30 deg.C. Due to the natural components of the material it tends to curl when relative humidity is quite high, that can cause print head damage. Therefore we recommend to only move the material out of its original packaging when printing immediately. After the printing process, place the material back into its original packaging again. It is always recommended that cotton gloves be used when handling inkjet coated materials to avoid fingerprints.

PRINTERS:

Colorspan DisplayMaker	Ink	Quality
Roland Soljet SJ540/SC540	Eco Solvent Ink	Good
SJ740/SC740	Eco Solvent Ink	Excellent
Roland SC-500 Permasol S	Solvent Ink	Excellent
Mimaki JV-3 160S	Solvent Ink	Good
Oce CS6060	Eco Solvent Ink	Excellent
Seiko SII Colorpainter 64S	Solvent Ink	Excellent





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SOLVENT LATEX

Indoor/Outdoor Poster Paper for Promotional Signage and Wallcovering Applications
(for use in Vutek, Nur/Salsa, Idant/Scitex printing systems).

Solvent Latex is a one side coated paper designed to meet the demands of high production piezo printing systems. This latex saturated, wet strength paper features a smooth surface which offers exceptional print fidelity with a distinctive lustre finish. Strength, flexibility and durability are hallmark traits. It resists cracking when folded, and film lamination is not required in most intended applications. Product passes class A flame spread test (ASTM E084-97a) as manufactured.

PHYSICAL PROPERTIES

Basic Weight: 212gsm	Opacity: 95%
Calliper: 10.0 mils nominal	Gloss (75 degrees): 42
Smoothness: 18 Sheffield Units	Wet Expansion: 2.0%
Tensile: 60/48 (lbs/in)	Elongation: 8/14 (%)
Tear Strength: 200.185 (g)	Core Size: 150mm
Storage: Temp: 59 - 86 degrees F	Roll Size: 61" x 1000'
Humidity: 30 - 70% RH	

PRODUCT FEATURES

Lustre Finish	Superior Printer Conveyance
Excellent Adhesion	Handles well when posted
Great Lay-Flat	Fast, consistent drying
Resists cracking when folded	

FINISHING

SURFACE PROTECTION:

For indoor and outdoor applications latex will hold up for 3-6 months without lamination. It is recommended to overlaminate if graphic will be exposed to severe conditions or where longer life is needed. Pressure-sensitive overlaminates are recommended for outdoor graphics. Liquid laminates can be used for wall-coverings. This added protection is needed where routine cleaning is common.

INDOOR / OUTDOOR PROMOTIONAL SIGNAGE:

Handles well in all types of posting situations. Standard starch based pastes may be used.

DECORATIVE WALLCOVERING & MURALS:

Can be pasted and hung just like standard wallcovering materials. Standard pastes such as Henkel Metylan Cellulose Wallpaper Paste provide adequate adhesion and allow for easier stripping when the wallcovering is to be removed or replaced. Mixing instruction for most standard wallpaper pastes include water measure for both high yield and high tack concentrations. The lower water measure is recommended for this product. Some heavy duty pastes come pre-mixed and have a more aggressive adhesive, and are recommended for more permanent applications.

PRINTING & INK COMPATIBILITY:

It is recommended to use this media in HP Designjet series printers with UV inks, Encad Novajet /pro/proe printers with GO inks, colorspan Displaymakers with PermaChrome Inks, Epson 9500 and other piezo waster-based pigmented printer systems. Ink saturation levels up to 250% can be used. Higher ink saturation can affect waterfast properties and show ink bleed in heavy saturation areas. It is recommended to print with pigmented inks when performing wallcovering applications. Pigmented inks provide light and waterfastness. It can also be used in solvent ink printing systems such as Nur/Salsa, and Idanit/Scitex.



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PRINTING GUIDELINES:

Wallcovering jobs are usually performed in panels. Panels should contain a 1" overlap. This will help to match the pattern across panel seams. Be sure to number the panels and provide a map indication panel segments to the installer. Due to the heavy gauge of these materials, they can feed through the printers at different rates, which can cause print alignment issues. Check the printer manual for alignment options. HP printers have a page accuracy option in their software. Use the optimise setting to aid in panel alignment.

SURFACE PROTECTION:

A liquid laminate can be used to protect the surface against dirt and stains. There are several manufacturers of liquid laminates. It has been tested with Clearstar, Clearshield, Clearjet. Potential air bubble issues may occur if liquid laminates are applied via liquid laminator. Some out gassing (bubbles) can occur when media is submerged in the laminator bath. Hand or aerosol applications do not have air or outgassing issues. Liquid laminates provide water, stain, abrasion, chemical, graffiti, and UV resistance. Liquid laminates are applied prior to installation. Product with liquid laminates meet surface durability requirements for wallcovering (ASTM F-793). More information can be sorted by contacting us here at www.sales.com.au ALWAYS PRE-TEST THE MATERIAL PRIOR TO USE.

Vinyl and Polyester laminates are not recommended for wallcovering applications. The added weight could cause installation, delamination, and wall adhesion issues. If hot or cold laminates are used, it is recommended to use double sided adhesive to adhere product to the wall instead of paste.

INSTALLATIONS GUIDELINES

Wall Preparation:

- * Wall should be prepared to a smooth, clean, and dry surface prior to installation. Wallcovering will not hide wall flaws such as: nail holes, bumps, or dirt.
- * Primer sealer should be used on unpainted drywall. Use acrylic wallcovering primers. Priming provides a sound surface that wallcovering will adhere to. It is recommended to strip down previous layers of wallcovering. The wallcovering may seem to be firmly adhered to the wall, but the addition of another layer can cause adhesion failure.
- * Prime over glossy paint with a primer.

Paste Information:

Clear adhesives provide good adhesion and allow for easier stripping when the wall covering is to be removed or replaced.

- * Clay adhesives have also been shown to be effective both during installation and the removal of these wallcovering materials.
- * Vinyl over vinyl pastes tend to dry too quickly on these products and are not recommended.
- * Apply a coat of the adhesive using a 1/2" nap paint roller.

Hanging Information:

- * Do not use tape on imaged surface
- * Align top and adjoining edges. Smooth panels into place with a smoothing brush, starting at the centre of the panel working towards the edges.
- * Use a plastic smoother or push air pockets to the edge.

Product Life Expectancy

Latex Banner products have a 1 year+ indoor life expectancy. Product life will increase if surface protection is applied. The use of pigmented inks will provide light and waterfastness. Protected digital wallpaper should last as long if not longer than traditional wallcovering.

Flammability Data

Latex Banner products were fire tested and rated following ASTM E84 test method. The purpose is to ensure the materials used inside buildings are not highly flammable or cause poisonous smoke. The desired classification for wallcovering is class A. All these related wallcovering latex products fall under class A

