



## DESCRIPTION

SiHL **3903 Backlit Film for Windows SA matte** is a 5mil reverse-print transparent polyester film for sophisticated graphics. With a matte inkjet coating on one side and a self-adhesive on the back-side, IJ 3903 is designed for use on small and wide format inkjet printers. Popular applications include advertisements in illuminated showcases; window displays viewed from both sides and city billboards.

## PHYSICAL PROPERTIES

Property	Unit (metric)	Unit (US)	Test Method	Notes
Total weight	160 g/m <sup>2</sup>	43 lb	ISO 536	
Thickness	140 µm	5 mil	ISO 534	
Transparency	1.5 (UV-filter)			optical density

## APPLICATIONS

3903 Backlit Film for Windows SA matte is designed for wide format graphic arts inkjet printing and is compatible with water-based dye inks. The matte side of 3903 is designed for mirror-type printing to allow the printing of presentations or photographs for illuminated showcases. The printouts may be viewed from the matte side as well as from the glossy side. High ink retention and a fast ink drying are achieved by a special surface inkjet coating. 3903 allows you to produce high quality print results with brilliant colors and sharp edge definition. To overlaminate the film use a pressure sensitive laminate. Laminating will not only increase durability but also improve UV stability and give the print a nice finishing appearance. Popular applications include:

- Window displays viewed from both sides
- Backlit Signage
- Transit Displays

*Limitations: 3903 is not water resistant or waterproof and cannot be printed with pigmented inks.*

## ADVANTAGES

- Special coating protects the image from oxidation and fading, which significantly extends the life of the image
- Reverse image and view through the protective clear polyester base for a glossy finish
- Durable scratch resistant matte coating
- High density inkjet receptive coating allows for heavily saturated images without puddling
- Unique ultra white diffusion layer
- Can be used as reverse mount film - No laminating required

## LIST OF PRINTERS

Printer	Dye Based Ink	Pigmented Ink
ColorSpan	EnduraChrome	-
Encad NovaJet Pro 36/50, Pro e 42/60	Encad GS, GA, GX	-
Hewlett Packard DesignJet 2000/ 3000 series	HP Standard	-
Roland HFiJet	Standard	-
Western Graphtec Sign Jet Pro	Standard	-

*Note: Please contact your local Sihl sales representative for more information on printer or ink compatibility.*

## PRINT RECOMMENDATIONS

**Converting:** Sihl 3903 is converted coated side out.

**Printer Settings for optimal print quality:** Ink limit -> 380%, however, individual results may vary due to printer type, shop conditions and image. ▶ Media Type -> Coated Paper ▶ Print Mode -> Best ▶ Resolution -> up to 1440 dpi, however, individual resolution settings may vary due to printer type.

**Printer and Ink Compatibility:** The material can be printed with water-based dye inks. Using light stable inks will increase the longevity of the image. Pigmented inks are not recommended.

## FINISHING RECOMMENDATIONS

**Lamination:** Sihl 3903 can be overlaminated with most cold laminates. Use laminates of equal gauge when encapsulating to prevent image curl. Overlaminating will also increase UV stability and prevent colors to fade early.

**Mounting:** Cold pressure sensitive adhesives typically provide the most aggressive bonds and are recommended for use with this product.

## CONDITION OF USE AND STOCKING

**Shelf Life:** Sihl 3903 has a shelf life of 12 months after receipt from Sihl.

**Storage (new and partially used rolls):** For quality reasons Sihl 3903 should be stored and converted under conditions of 30-65% relative humidity and at a temperature of 10-30°C.

**Storage of open rolls:** When an open roll of paper is not being used for a few days ▶ remove the roll from the printer ▶ Cover the roll with plastic to protect it from contaminants ▶ if you are storing it on end, use an end plug and tape down the edge to prevent damage to the edge of the roll ▶ do not lay sharp or heavy objects on unprotected rolls and do not stack them.

## WARRANTY STATEMENT

*The following is made in addition of all other express or implied warranties, including any implied warranty of merchantability or fitness for a particular purpose:* Sihl **3903 Backlit Film for Windows SA matte** is warranted to be free of defects in materials and manufacture and to have the properties stated in Sihl's published product information sheet or written specifications. Sihl will replace or refund the price of any Sihl materials that do not meet this warranty.

These remedies are exclusive. In no case shall Sihl be held liable for any direct, indirect or consequential damages, including labor or non-Sihl material charges.

3903 Backlit Film for Windows SA matte is manufactured in Switzerland.



Disclaimer: Data mentioned in this product information sheet represents a guide line.  
Before using our media please make sure that suitability is secured for your printer.  
Sihl cannot take liability for any damages which result from changes in printing inks/ or printers.

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