

APPLICATION GUIDE



ClearSOL WetCling Film - 5 mil

■ gloss 3550

Sihl ClearSOL WetCling Film is an updated way to create window graphics. It consists of a 5 mil polyester film that can be printed with Latex, Solvent, Eco-Solvent or UV curable inks and a water activated adhesive that allows the graphic to be installed in three easy steps: spray water on window, position the graphic, squeegee; 1, 2, 3 and done. The unique coating system combines the ink receptive layer with the adhesive, to allow the installation with the print protected between the glass and the film.

The polyester film gives the graphic dimensional stability so it does not shrink or shift like vinyl graphics do. The adhesive can be applied in cold temperatures overcoming many limitations of pressure sensitive adhesives. The whole graphic can be easily removed, without residue, even after months of use; making it ideal for graphics on windows with tinted liners.

PRINT

Sihl ClearSOL WetCling Film is compatible with many popular inkjet imaging printers in the market.

- Soi Eco/Solvent Inkjet Printers:** Sihl recommends using double strike to achieve the necessary color density. It may be necessary to increase the dryer heat or allow the prints to cure before rolling them up. For graphics with high ink coverage we recommend using an interleaf paper to prevent laking or blocking. The print side and adhesive side are the outside of the roll.
- Ltx Latex Inkjet Printers:** Sihl recommends printing in a 16 pass high quality mode and a drying temperature set at 131°F and curing set at 180°F, with high ink level selected. For graphics with high ink coverage we recommend using an interleaf paper to prevent laking or blocking. The print side and adhesive side is the outside of the roll.
- UV UV-Curable Inkjet Printers:** Because UV inks form a solid surface after curing, the print may interfere with the adhesive application. Sihl recommends printing on the reverse side of the product (inside wrap of the roll) when printing with UV-curable inks. This way the adhesive will not be affected by the ink. Adhesive side is on the outside of the roll.

TIP:

Place a piece of tape on the back-side of the print to indicate which side is unprinted. This will help eliminate guesswork during installation.

PRINTING WITH WHITE INKS (Latex & Eco/Solvent):



Several creative effects can be achieved by printing with white ink. Add white ink behind the image to increase color brightness and contrast. Add white ink in front of the image to change the viewing side (inside application for outside view). In all these cases make sure to keep an 1/8" un-imaged border around the white ink to ensure proper adhesion of the graphic.

APPLY

Sihl ClearSOL WetCling Film is easy to apply to most smooth surfaces. It can be easily applied cleanly removed from glass and surfaces such as aluminum and DIBOND®. ClearSOL can also be applied to acrylic sheets (PLEXIGLAS®), although some ink residue may remain after removal. Ink residue can be easily removed using an alcohol solution. Following the steps below will ensure a crisp graphic.

- **Surface Preparation:** Clean the surface properly before application. We recommend an alcohol solution for oily residues.
- **Wet Surface:** Use a spray bottle to apply water, soapy water or products like Rapid Tac®; spray evenly across surface where graphic will be applied.
- **Apply Graphic:** Place the film with the printed side towards the water (except for UVC printed samples).
- **Squeegee:** Remove the water from between the graphic and the window by using a squeegee with firm pressure. We recommend using a felt-edged squeegee to prevent scratches to the film. You need to ensure that all the water is removed otherwise a haze may be visible or there may be greater chance of ink residue left on surface after removal. The residue can be easily cleaned using an alcohol solution.

COLD WEATHER APPLICATIONS:

Sihl ClearSOL can be applied to cold surfaces while taking some precautions. Use a water and alcohol (isopropanol) mixture to wet the surface. A 1:1 ratio works well (1 part water 1 part isopropanol).

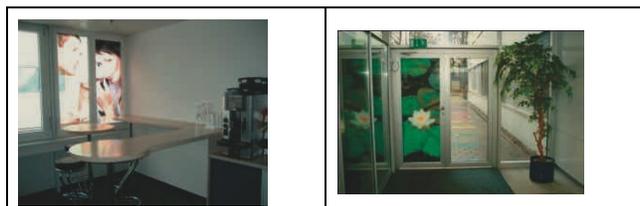


USAGE

Sihl ClearSOL WetCling Film can be used as a stand-alone clear film (without activating the adhesive), for interior décor –graphic installed inside and viewed from the inside or as a window film –where the graphic will be viewed from both sides of the glass.

2-WAY VIEW WITH SELECT INKS:

Some inks require the use of a water-isopropanol mixture to wet the application surface. A 4:1 ratio works well (4 parts water and 1 part isopropanol). This helps prevent haze forming on the imaged areas.



Compatible Inks	Use as: Clear Film	Use as: Interior Décor Inside view	Use as: Window Film 2-way view
Roland EcoSolMax	Excellent	Excellent	Excellent
Roland EcoSolMax II	Excellent	Excellent	Excellent
Epson GS2	Excellent	Excellent	Use alcohol solution
Mimaki SS21	Excellent	Fair	Use alcohol solution
Mutoh Eco-Solvent Ultra	Excellent	Good	Use alcohol solution
Seiko GX	Excellent	Fair	Use alcohol solution
HP Latex 25500	Excellent	Fair	Use alcohol solution
HP Latex 26500/28500	Excellent	Good	Use alcohol solution
HP Latex 360	Excellent	Excellent	Use alcohol solution