

Ri-Jet C50 Ultra-Clear Gloss Perm SB

PRODUCT DESCRIPTION / BENEFITS

Ri-Jet C50 Ultra-Clear Gloss Perm SB is a self-adhesive film developed for Large Format Digital printing, used for windows graphics.

The ultra-clear face film is a cast vinyl, with an external stability up to 8 years, compatible with solvent, eco-solvent, latex and UV curable inkjet inks.

The adhesive is a permanent solvent based, providing an excellent adhesion on windows.

The 75µm transparent PET liner provides product clarity and flatness for a good printability.

Once applied on a window, the film is almost invisible !

All products are REACH & RoHS compliant.

TYPICAL USE

- Long-term Windows graphics

CONSTRUCTION

- **Face film:** 50 µm cast vinyl
- **Adhesive:** permanent clear solvent-based acrylic
- **Release liner:** 75 µm transparent PET

Products:

Clear Gloss finish: Code 09537 - **Ri-Jet C50 Ultra-Clear Gloss Perm**

CONVERTING METHOD

Specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing inks.

To achieve the best possible print quality, make sure that the correct ICC profiles or printer settings are used. The printed media should dry minimum 24h prior to lamination.

Laminate with Ri-Lam C30 or C50 Ultra-Clear to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Apply on windows only with the wet method, on clean and degreased surface.

Application temperature above 10°C.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 6 years.

This information is based on real field experience and artificial aging according to ISO 4892-2.

Note: Exposure to severe temperature and ultra-violet light will cause a quicker deterioration. This applies also to polluted area, high altitude, horizontal applications, and south-facing exposure in north hemisphere.

SHELF LIFE

Shelf life is 2 years, when stored at 23 °C and 50 % relative humidity conditions.

Higher temperatures and/or humidity levels will reduce product shelf life.

NB: Printing results start to deteriorate after 12 months storage.

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PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Face thickness, without adhesive	50 µm	ISO 534-80
Face thickness, with adhesive	70 µm	ISO 534-80
Tensile strength (machine direction)	> 10 N/cm	ISO 527
Elongation at break (machine direction)	>200%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0,1 mm	FTM 14
Removable adhesive - 20 minutes adhesion on glass	13 N/25mm	FTM 1
- 24 hours	16 N/25mm	
- 1 week	18 N/25mm	
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PET liner	75 µm	ISO 534-80
Humidity resistance	No effect	200 hours exposure
Water resistance	No effect	24 hours immersion
Detergent (1% solution)	No effect	24 hours immersion
Isopropyl alcohol / Water (20/80)	No effect	10 minutes immersion
Sporadic contact with hydrocarbons	No effect	5 minutes immersion

QUALITY CERTIFICATION



DISCLAIMER

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