

Ri-Jet PO100

PRODUCT DESCRIPTION / BENEFITS

Ri-Jet PO100 series is a sustainable self-adhesive film developed for Large Format Digital printing, for application on flat surfaces.

The face film is a top coated polyolefin (PVC free), UV stabilised, with an external colour stability up to 3 years, compatible with latex and UV-curable inkjet inks.

Ri-Jet PO100 series is available with a permanent and a removable adhesive.

The 135 g/m² liner ensures good planarity and printing results.

All products are REACH & RoHS compliant.

TYPICAL USE

- Short term outdoor advertising: trains, bus, billboards
- Short term indoor advertising: shops and malls, airport terminals, ...
- Temporary point of sale advertising.

CONSTRUCTION

- **Face film:** 100 µm top coated polyolefin
- **Adhesive:** permanent clear water-based acrylic
removable clear water-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²

Products:

White Satin finish: Code 12963 - **Ri-Jet PO100 White Satin Perm**
12965 - **Ri-Jet PO100 White Satin Rem**

CONVERTING METHOD

Specially developed to be printed with latex, and UV inkjet printing presses.

To achieve the best possible print quality, make sure that the correct ICC profiles or printer settings are used. The printed film may curl if cut just after printing : we recommend waiting minimum 4 hours before cutting the film to minimize the curling effect.

We recommend Ri-Lam PO60 Clear Gloss as lamination film, to protect the printed image from UV fading and mechanical abrasion. The printed media should dry minimum 24h prior to lamination.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Suitable for dry and wet application method on clean and degreased substrates.

Application temperature above 10°C.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 3 years.

This information is based on real file 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	100 µm	ISO 534-80
Face thickness, with adhesive	120 µm	ISO 534-80
Tensile strength (machine direction)	> 15 N/cm	ISO 527
Elongation at break (machine direction)	>200%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Fire certification	B s1 D0	EN 13501
Dimensional stability (1 week @70 °C on glass)	0,1 mm	FTM 14
Permanent adhesive - 20 minutes adhesion on glass	10 N/25mm	FTM 1
- 24 hours	13 N/25mm	
- 1 week	15 N/25mm	
Removable adhesive - 20 minutes adhesion on glass	3 N/25mm	FTM 1
- 24 hours	6 N/25mm	
- 1 week	7 N/25mm	
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
One side siliconized clay coated paper liner	135 g/m ²	ISO 536

**QUALITY
CERTIFICATION****DISCLAIMER**

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