

Ri-Jet P100 HT

PRODUCT DESCRIPTION / BENEFITS

Ri-Jet P100 HT series is a self-adhesive film for Large Format Digital printing, designed for medium to long-term application on difficult surfaces.

The polymeric vinyl, UV stabilised, has an external colour stability up to 7 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses. The satin face finish provides excellent printability.

The high tack solvent-based adhesive provides a good adhesion on a variety of substrates.

The PE coated Kraft liner ensures good planarity and printing results.

All products are REACH & RoHS compliant.

TYPICAL USE

- Medium to long term outdoor/indoor advertising on difficult substrates.
- Caravan marking

CONSTRUCTION

- **Face film:** 100 µm calendered polymeric film
- **Adhesive:** high tack clear solvent-based acrylic
- **Release liner:** PE coated kraft paper 140 g/m²

Products:

White satin finish: Code 08587 - **Ri-Jet P100 White Satin HT PE N**

CONVERTING METHOD

Specially developed to be printed with solvent, eco-solvent, 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 media should dry minimum 24h prior to lamination.

We suggest a lamination with Ri-Lam P75 Clear Gloss or Matt to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Dry and wet application method on clean and degreased substrates.

Application temperature above 10°C.

The high tack adhesive formulation has a low cohesion. Therefore, the film will tend to shrink.

Ri-Jet P100 HT series is not adapted to big surface coverage needing multiple overlapped width.

We recommend leaving 0.5cm unprinted area around the printed poster edge.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 7 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	135 µm	ISO 534-80
Tensile strength (machine direction)	> 25 N/cm	ISO 527
Elongation at break (machine direction)	> 150%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	1.5 mm	FTM 14
Initial adhesion on glass (20 minutes)	13 N/25mm	FTM 1
Adhesion on glass (24 hours)	20 N/25mm	FTM 1
Final adhesion on glass (1 week)	22 N/25mm	FTM 1
Adhesion on PE (24 hours)	10 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PE coated kraft paper liner	145 g/m ²	ISO 536
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

QUALITY CERTIFICATION



DISCLAIMER

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