

Ri-Jet Reflective

PRODUCT DESCRIPTION / BENEFITS Ri-Jet Reflective series is a self-adhesive reflective film for Large Format Digital printing, providing wide-angle reflectivity of incident light and giving excellent night and day visibility. The film consists of a layer of microscopic glass beads of high optical quality embedded in a clear film and react as lenses. A metallized back provides the mirror surface for reflection. Ri-Jet Reflective series has an external colour stability up to 5 years and is compatible with solvent and eco-solvent inkjet printing inks. All products are REACH & RoHS compliant.

TYPICAL USE

- 24 h a day eye-catching decoration and identification
- Medium to long term outdoor advertising
- Flat substrates.

CONSTRUCTION

- **Face film:** 110 µm reflective film
- **Adhesive:** permanent clear solvent-based acrylic
- **Release liner:** PE coated kraft paper 140 g/m²

Products:

White Gloss finish: code 09740 - **Ri-Jet Reflective White Perm N**

CONVERTING METHOD Specially developed to be printed with solvent and eco-solvent inkjet printing inks. To achieve the best possible print quality, make sure that the correct ICC profiles or printer settings are used.

APPLICATION METHOD / INSTRUCTIONS FOR USE Suitable for dry and wet application method on clean and degreased substrates. Application temperature above 10°C. Few weeks after its application on a substrate, it is very difficult to remove Ri-Jet Reflective series: it will break in small pieces.

EXPECTED DURABILITY The expected vertical outdoor durability in Central Europe (zone 1) is 5 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.

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	110 µm	ISO 534-80
Face thickness, with adhesive	125 µm	ISO 534-80
Tensile strength (machine direction)	> 10 N/cm	ISO 527
Elongation at break (machine direction)	10%	ISO 527
Dimensional stability (1 week @70 °C on glass)	0,3 mm	FTM 14
Initial adhesion on glass (20 minutes)	7 N/25mm	FTM 1
Adhesion on glass (24 hours)	Film breaks	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PE coated kraft paper	140 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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