RITRAMA

TECHNICAL DATA SHEET
ISSUE: 1
DATE: 05/08/2021

Ri-Jet Optima P75 Perm

PRODUCT DESCRIPTION / BENEFITS

Ri-Jet Optima P75 Perm series is a self-adhesive film for Large Format Digital printing, especially designed for medium to long term indoor and outdoor applications, on flat and slightly curved 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 permanent adhesive provides good adhesion on a wide range of substrates, available in a grey formulation for extra opacity. The 135 g/m² liner or the 140g/m² micro-embossed PE coated kraft paper ensures good planarity and printing results.
All our products are REACH & RoHS compliant.

TYPICAL USE

- Medium to long term outdoor advertising: trains, cars, bus, trucks, ...
- Medium to long term indoor advertising: shops and malls, airport terminals, ...
- Flat and curved substrates.

CONSTRUCTION

- **Face film:** 75 µm calendered polymeric film
- **Adhesive:** permanent clear water-based acrylic
  permanent grey water-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²
  Airflow liner: micro-embossed PE coated kraft paper 140 g/m²

Products:

White Gloss finish: code 08459 - **Ri-Jet Optima P75 White Gloss Perm Grey**
08461 - **Ri-Jet Optima P75 White Gloss Perm Grey Airflow**

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 Clear Matt to protect the printed image from UV fading and mechanical abrasion.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Suitable for dry and wet application method on clean and degreased substrates.
Application temperature above 10°C.

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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	75 µm	ISO 534-80
Face thickness, with adhesive	95 µm	ISO 534-80
Tensile strength (machine direction)	> 16 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)	0,2 mm	FTM 14
Initial adhesion on glass (20 minutes)	10 N/25mm	FTM 1
Adhesion on glass (24 hours)	13 N/25mm	FTM 1
Final adhesion on glass (1 week)	15 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
One side siliconized clay coated paper liner Airflow, micro-embossed PE coated kraft paper	135 g/m² 140 g/m²	ISO 536

QUALITY CERTIFICATION

QUALITY SYSTEM CERTIFICATION DNV ISO 9001

DISCLAIMER

Information on physico-chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change. All Fedrigoni products are sold subject to terms and conditions of sale. For more information, contact your Fedrigoni sales representative. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.