RITRAMA

TECHNICAL DATA SHEET
ISSUE: 1
DATE: 13/08/2021

Ri-Jet M100 Rem

PRODUCT DESCRIPTION / BENEFITS

Ri-Jet M100 Rem series is a self-adhesive film for Large Format Digital printing, especially designed for short-term adverting on flat surfaces.
The monomeric vinyl, UV stabilised, has an external colour stability up to 3 years, specially developed to be printed with solvent, eco-solvent, latex, and UV inkjet printing presses.
The 100 µm film thickness grants good ink absorption without making the face film too soft, which allows easier application. The removable water-based adhesive provides an easy removability from most substrates.
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

- 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 calendered monomeric film
- **Adhesive:** removable 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 02659	-	**Ri-Jet M100 White Gloss Rem**
White Matt:	10078	-	**Ri-Jet M100 White Matt HOP Rem Airflow 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 recommend a lamination with Ri-Lam M70 Clear Gloss, Matt or Satin 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 for the product with kraft liner, while only the dry application method will be used with the Airflow liner.
Application temperature above 10°C.

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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)	> 25 N/cm	ISO 527
Elongation at break (machine direction)	>100%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0,5 mm	FTM 14
Initial adhesion on glass (20 minutes)	5 N/25mm	FTM 1
Adhesion on glass (24 hours)	6 N/25mm	FTM 1
Final adhesion on glass (1 week)	7 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 liner: micro-embossed PE coated kraft paper	135 g/m^2 140 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.