RITRAMA

TECHNICAL DATA SHEET
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WonderDot M100 Rem PE

PRODUCT DESCRIPTION / BENEFITS

WonderDot PE series is a self-adhesive film for Large Format Digital printing, especially designed for indoor / outdoor application on flat and smooth surfaces.
The monomeric vinyl is compatible with solvent, eco-solvent, latex, and UV inkjet inks. The 100µm film thickness grants good ink absorption without making the face film too soft. The removable Dot adhesive provides a super-easy and fast application and an easy removability from the substrates. The 140 g/m² liner ensures good planarity and printing results.
All products are REACH & RoHS compliant.

TYPICAL USE

- Short term windows graphics, applied to either exterior or interior
- Short term indoor advertising on alu-bond, doors and smooth painted surfaces
- Temporary point of sale advertising with smooth surface

CONSTRUCTION

- **Face film:** 100 µm calendered monomeric film
- **Adhesive:** removable clear water-based acrylic, coated in dots
- **Release liner:** PE coated kraft paper 140 g/m^2

Products:

White Gloss finish:	14099 - **WDot M100 White Gloss Rem PE**
Clear Gloss: White	12261 - **WDot M100 Clear Gloss Rem PE**
Matt HOP: Clear Matt:	13949 - **WDot M100 White Matt HOP Rem PE**
	14098 - **WDot M100 Clear Matt Rem PE**

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. To prevent edge lifting and tunnelling, we recommend leaving 5 mm unprinted on the graphic edge and reducing ink saturation.
WonderDot M100 Rem PE series is not intended to be laminated.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Only suitable for dry application method on clean and degreased substrates.
Application temperature above 10°C.
Retained solvents in the print will affect edge adhesion. A print gradient lightening to the edge of the graphic or a white border around the graphic for solvent print posters is recommended.

EXPECTED DURABILITY

The expected vertical indoor durability in Central Europe (zone 1) is 1 years.
This information is based on real life 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.

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SHELF LIFE

Shelf life is 1 year, 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)	>150%	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)	1 N/25mm	FTM 1
Adhesion on glass (24 hours)	2 N/25mm	FTM 1
Final adhesion on glass (1 week)	3 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PE coated kraft paper liner	140 g/m^2	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.

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