

Ri-Screen M100

PRODUCT DESCRIPTION / BENEFITS

Ri-Screen M100 series is a self-adhesive film, especially designed for Screen printing, for short term application on flat surfaces. The monomeric vinyl has an external colour stability up to 2 years, specially developed for conventional (solvent-based) and UV curable screen-printing inks. The 100µm face film thickness provides an easier handling and applicability.

Ri-Screen M100 series is available in permanent acrylic adhesive, to provide a good adhesion on a wide range of substrates.

The 135 g/m² clay coated kraft paper ensures a good flatness and a good printing result.

All products are REACH & RoHS compliant.

TYPICAL USE

- Short term indoor & outdoor advertising.
- Labels and stickers.
- Temporary point of sale advertising.

CONSTRUCTION

- **Face film:** 100 µm calendered monomeric film
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²

Products:

White Gloss finish: Code 02095 - **Ri-Screen M100 White Gloss Perm**

Clear Gloss: 03018 - **Ri-Screen M100 Clear Gloss Perm**

CONVERTING METHOD

Screen printing with solvent-based and UV-curable inks.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Suitable for dry and wet application method on clean and degreased substrates.

Application temperature above 10°C.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 2 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)	1.0 mm	FTM 14
Permanent adhesive - adhesion on glass (20 minutes)	10 N/25mm	FTM 1
- adhesion on glass (24 hours)	12 N/25mm	
- adhesion on glass (1 week)	14 N/25mm	
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
One side siliconized clay coated paper liner	135 g/m ²	ISO 536

QUALITY CERTIFICATION



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.