

Ri-Lam M70 Perm - AP

PRODUCT DESCRIPTION / BENEFITS Ri-Lam M70 Perm series is a self-adhesive film for lamination of all large format printed digital materials. Ideal to protect the graphics to avoid deterioration or damage especially in outdoor exposure. The permanent adhesive provides a good adhesion. The 120 g/m² clay coated kraft paper liner ensures good planarity. All our products are REACH & RoHS compliant.

TYPICAL USE

- Lamination

CONSTRUCTION

- **Face film:** 70 µm calendered monomeric film
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** clay coated kraft paper 120 g/m²

Products:	Code:
Clear Gloss:	10327 - Ri-Lam M70 Clear Gloss Perm – AP
Clear Matt:	10609 - Ri-Lam M70 Clear Matt Perm – AP

CONVERTING METHOD Laminating film for general applications to protect the printed image from UV fading and mechanical abrasion. Not printable.

APPLICATION METHOD / INSTRUCTIONS FOR USE The printed media should dry minimum 24h prior to lamination. 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 1 years, when stored at 23 °C and 50 % relative humidity conditions. Higher temperatures and/or humidity levels will reduce product shelf life.

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PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Face thickness, without adhesive	70 µm	ISO 534-80
Face thickness, with adhesive	90 µm	ISO 534-80
Tensile strength (machine direction)	> 18 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)	6 N/25mm	FTM 1
Adhesion on glass (24 hours)	10 N/25mm	FTM 1
Final adhesion on glass (1 week)	12 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -20 °C to +80 °C	
One side siliconized clay coated paper liner	120 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.