RITRAMA

TECHNICAL DATA SHEET
ISSUE: 1
DATE: 10/08/2021

Ri-Lam P75 SB

PRODUCT DESCRIPTION / BENEFITS

Ri-Lam P75 SB series is a self-adhesive film for digitally printed images lamination.
The transparent premium polymeric calendered vinyl face film, UV stabilised, has an external colour stability up to 5 years. The permanent solvent-based adhesive adheres on Ri-Jet P75 media printed with solvent, eco-solvent and latex inks, and is also suitable for UV print (no silvering).
The 135 g/m² liner ensures good planarity.
All products are REACH & RoHS compliant.

TYPICAL USE

- Long term outdoor & indoor lamination film for advertising on Ri-Jet P75 media
- Protect printed media from abrasion and retard colour fading
- Provide homogeneous matt or gloss finishes

CONSTRUCTION

- **Face film:** 75 µm polymeric calendered vinyl
- **Adhesive:** permanent clear solvent-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²

Products:

Clear Gloss finish: code 02660 - **Ri-Lam P75 Clear Gloss Perm SB - UV Print**
Clear Matt: 05448 - **Ri-Lam P75 Clear Matt Perm SB - UV Print**

CONVERTING METHOD

Compatible with solvent, eco-solvent, latex and uv-inks.
To be laminated with a laminator.

APPLICATION METHOD / INSTRUCTIONS FOR USE

The printed media to laminate should dry minimum 24h prior to lamination.
Laminate without tension on the printed media.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 5 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.

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.

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50PHYSICO-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)	> 15 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)	0.2 mm	FTM 14
Initial adhesion on glass (20 minutes)	13 N/25mm	FTM 1
Adhesion on glass (24 hours)	16 N/25mm	FTM 1
Final adhesion on glass (1 week)	18 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
clay coated kraft paper	135 g/m²	ISO 536
Humidity resistance	No effect	200 hours exposure
Water resistance	No effect	24 hours immersion
Detergent (1% solution)	No effect	24 hours immersion
Isopropyl alcohol / Water (20/80)	No effect	10 minutes immersion

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.