

Ri-Lam Optima P75

PRODUCT DESCRIPTION / BENEFITS Ri-Lam Optima P75 series is a self-adhesive lamination film for digitally printed images.

The transparent polymeric calendered vinyl face film, UV stabilised, has an external colour stability up to 5 years. The permanent water-based adhesive adheres on vinyl printed with solvent, eco-solvent and latex inks, but is not suitable for UV print (silvering).

The 62 g/m² glassine liner provides a good adhesive smoothness.

All products are REACH & RoHS compliant.

TYPICAL USE

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

CONSTRUCTION

- **Face film:** 75 µm polymeric calendered vinyl
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** glassine 62 g/m²

Products:

Clear Gloss finish: code 13640 - **Ri-Lam Optima P75 Clear Gloss Perm**

Clear Matt: 13639 - **Ri-Lam Optima P75 Clear Matt Perm**

CONVERTING METHOD

Compatible with solvent, eco-solvent and latex 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 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.

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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PHYSICO-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)	> 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)	10 N/25mm	FTM 1
Adhesion on glass (24 hours)	13 N/25mm	FTM 1
Final adhesion on glass (1 week)	15 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
glassine	62 g/m ²	ISO 536

QUALITY CERTIFICATION



DISCLAIMER

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