

Ri-Screen M190 Rigid

PRODUCT DESCRIPTION / BENEFITS

Ri-Screen M190 Rigid White Gloss Perm PE is a self-adhesive film for short term application on flat surfaces.

The thick rigid vinyl face film has an external colour stability up to 2 years, compatible with conventional (solvent-based) and UV curable screen-printing inks. The permanent water-based acrylic adhesive provides a good adhesion on a wide range of substrates. The 140 g/m² PE 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:** 190 µm rigid vinyl
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** PE coated kraft liner 140g/m²

Products:

Rigid White Gloss finish: Code 00416 - **Ri-Screen M190 Rigid White Gloss Perm PE**

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	190 µm	ISO 534-80
Face thickness, with adhesive	210 µm	ISO 534-80
Tensile strength (machine direction)	> 75 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)	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	
PE coated kraft liner	140g/m ²	ISO 536

QUALITY CERTIFICATION



DISCLAIMER

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