

## Ri-Screen M90 Ri-Line

### PRODUCT DESCRIPTION / BENEFITS

Ri-Screen M90 Ri-Line 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. Ri-Screen M90 Ri-Line series is available in permanent water-based acrylic adhesive, to provide a good adhesion on a wide range of substrates. The 135 g/m<sup>2</sup> clay coated kraft paper is scored and ensures a good flatness. All products are REACH & RoHS compliant.

### TYPICAL USE

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

### CONSTRUCTION

- **Face film:** 90 µm calendered monomeric film
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** scored kraft paper 135 g/m<sup>2</sup>

#### Products:

White Gloss finish: Code 14216 - **Ri-Screen M90 White Gloss Perm Ri-Line**

Clear Gloss: 14381 - **Ri-Screen M90 Clear Gloss Perm Ri-Line**

### CONVERTING METHOD

Screen printing with solvent-based and UV-curable inks.  
Offset UV printing is possible - contact your ink supplier.

### 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, with / without adhesive	90 µm	ISO 534-80
Tensile strength (machine direction)	> 20 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 <sup>2</sup>	ISO 536

### QUALITY CERTIFICATION



### DISCLAIMER

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