

## Ri-Screen M80

### PRODUCT DESCRIPTION / BENEFITS

Ri-Screen M80 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 M80 series is available in permanent, ultra-removable and high tack 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 or 140 g/m<sup>2</sup> 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.
- Good adhesion on low surface tension substrates such as PE and PP with HT adhesive.

### CONSTRUCTION

- **Face film:** 80 µm calendered monomeric film
- **Adhesive:** permanent clear water-based acrylic  
permanent black water-based acrylic  
ultra-removable clear water-based adhesive  
high-tack clear water-based adhesive
- **Release liner:** clay coated kraft paper 135 g/m<sup>2</sup>  
PE coated kraft liner 140g/m<sup>2</sup>

#### Products:

White Gloss finish:	Code 03641 - <b>Ri-Screen M80 White Gloss Perm</b> 00173 - <b>Ri-Screen M80 White Gloss Perm Black</b> 00188 - <b>Ri-Screen M80 White Gloss Perm PE</b> 02028 - <b>Ri-Screen M80 White Gloss Ultra-Rem</b> 00176 - <b>Ri-Screen M80 White Gloss HT</b> 05202 - <b>Ri-Screen M80 White Gloss HT PE</b> 02227 - <b>Ri-Screen M80 White Gloss Perm Ri-Line</b>
Clear Gloss:	02033 - <b>Ri-Screen M80 Clear Gloss Perm</b> 02038 - <b>Ri-Screen M80 Clear Gloss Ultra-Rem</b> 00106 - <b>Ri-Screen M80 Clear Gloss HT</b>
White Matt:	00246 - <b>Ri-Screen M80 White Matt Perm</b>

### 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.

## Ri-Screen M80

**PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES**

Face thickness, without adhesive	80 µm	ISO 534-80
Face thickness, with adhesive	100 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	
Ultra-Rem adhesive - adhesion on glass (20 minutes)	1 N/25mm	FTM 1
- adhesion on glass (24 hours)	2 N/25mm	
- adhesion on glass (1 week)	3 N/25mm	
High-Tack adhesive - adhesion on glass (20 minutes)	10 N/25mm	FTM 1
- adhesion on glass (24 hours)	14 N/25mm	
- adhesion on glass (1 week)	16 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
PE coated kraft liner	140g/m <sup>2</sup>	

**QUALITY CERTIFICATION****imasgrafica.com**

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