

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/m² clay coated kraft paper or 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.
- 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/m²
PE coated kraft liner 140g/m²

Products:

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

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

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|---|-----------------------|---------------|
| 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 ² | ISO 536 |
| PE coated kraft liner | 140g/m ² | |

QUALITY CERTIFICATION



DISCLAIMER

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