

Ri-Screen M70 colours

PRODUCT DESCRIPTION / BENEFITS

Ri-Screen M70 colours 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 M70 colours series is available in permanent water-based acrylic adhesive, providing a good adhesion on a wide range of substrates.

The 135 g/m² clay 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:** 80 µm calendered monomeric film
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²

Products:

Black Gloss finish: Code 03830 - **Ri-Screen M70 Black Gloss Perm**

Black Matt: 03857 - **Ri-Screen M70 Black Matt Perm**

Cold Yellow: 03834 - **Ri-Screen M70 Cold Yellow Gloss Perm**

Warm Yellow: 03839 - **Ri-Screen M70 Warm Yellow Gloss 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.

Ri-Screen M70 colours

PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Face thickness, without adhesive	70 µm	ISO 534-80
Face thickness, with 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 ²	ISO 536

QUALITY CERTIFICATION



DISCLAIMER

Information on physico-chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change. All Fedrigoni products are sold subject to terms and conditions of sale. For more information, contact your Fedrigoni sales representative. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

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 / black water-based acrylic
removable clear 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:

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
	04373 - Ri-Screen M80 White Gloss Rem
	02028 - Ri-Screen M80 White Gloss Ultra-Rem
	00176 - Ri-Screen M80 White Gloss HT
	05202 - Ri-Screen M80 White Gloss HT PE
Clear Gloss:	02033 - Ri-Screen M80 Clear Gloss Perm
	00109 - Ri-Screen M80 Clear Gloss Rem
	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.
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, with / without adhesive	80 / 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	
	Removable adhesive - adhesion on glass (20 minutes)	5 N/25mm	FTM 1
	- adhesion on glass (24 hours)	6 N/25mm	
	- adhesion on glass (1 week)	7 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



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