

Ri-Screen P80 Phthalate Free

PRODUCT DESCRIPTION / BENEFITS

Ri-Screen P80 Phthalate-free series is a self-adhesive film, especially designed for Screen printing for toys labelling and for short term application on flat surfaces.

The Phthalate-free vinyl has an external colour stability up to 2 years, specially developed for conventional (solvent-based) and UV curable screen-printing inks.

Ri-Screen P80 Phthalate-free series is available in permanent 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 ensures a good flatness and a good printing result.

All products are REACH & RoHS compliant.

TYPICAL USE

- Toys labelling
- Short term indoor & outdoor advertising.
- Labels and stickers.

CONSTRUCTION

- **Face film:** 80 µm calendered Phthalate-free film
- **Adhesive:** permanent clear water-based acrylic
High tack clear water-based acrylic
Ultra-Removable clear water-based acrylic
- **Release liner:** clay coated kraft paper 135 g/m²

Products:

White Gloss finish: Code 05059 - **Ri-Screen P80 Phthalate Free White Gloss Perm**
04110 - **Ri-Screen P80 Phthalate Free White Gloss HT**

Clear Gloss: 05061 - **Ri-Screen P80 Phthalate Free Clear Gloss Perm**

05367 - **Ri-Screen P80 Phthalate Free Clear Gloss Ultra-Rem N**

White Matt: 05060 - **Ri-Screen P80 Phthalate Free 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 life 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	80 µm	ISO 534-80	
Face thickness, with adhesive	80 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
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
	- adhesion on PE (24 hours)		8 N/25 mm
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
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**

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