

Ri-Screen PET Perm

PRODUCT DESCRIPTION / BENEFITS

Ri-Screen PET Perm series is a self-adhesive film, especially designed for Screen printing for luxury labelling on flat surfaces.

The top coated PET film has an external colour stability up to 2 years, specially developed for conventional (solvent-based) and UV curable screen-printing inks.

Ri-Screen PET Perm series is available in permanent water based acrylic adhesive, to provide a good adhesion on a wide range of substrates.

The 140 g/m² PE coated kraft paper ensures a good flatness and a good printing result.

All products are REACH & RoHS compliant.

TYPICAL USE

- Luxury labels for household or industrial appliances, audio and video equipment, calculators, toys.
- Luxury labels for perfumery and jewellery.

CONSTRUCTION

- **Face film:** 23 µm top coated PET film
50 µm top coated PET film
- **Adhesive:** permanent clear water-based acrylic
- **Release liner:** PE coated kraft paper 140 g/m²

Products:

23 µm PET Bright Silver:	Code 00602	- Ri-Screen PET23 Gloss Silver TC Perm PE
23 µm PET Dull Silver:	00640	- Ri-Screen PET23 Matt Silver TC Perm PE
23 µm PET Clear Gloss:	00654	- Ri-Screen PET23 Clear Gloss TC Perm PE
50 µm PET Bright Silver:	00620	- Ri-Screen PET50 Gloss Silver TC Perm PE

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

Face thickness, without adhesive	23 μm	ISO 534-80
with adhesive	43 μm	
Face thickness, without adhesive	50 μm	ISO 534-80
with adhesive	70 μm	
Tensile strength (machine direction)	> 40 N/cm	ISO 527
Elongation at break (machine direction)	>70%	ISO 527
Dimensional stability (1 week @70 °C on glass)	< 0,2 %	FTM 14
Permanent adhesive - adhesion on glass (20 minutes)	10 N/25mm	FTM 1
- adhesion on glass (24 hours)	13 N/25mm	
- adhesion on glass (1 week)	15 N/25mm	
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
PE coated kraft paper	140 g/m ²	ISO 536

QUALITY CERTIFICATION



DISCLAIMER

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