

Ri-Mark Transparent

PRODUCT DESCRIPTION / BENEFITS Ri-Mark Transparent is the ideal choice for windows decoration with transparent colours or for short to medium term illuminated signs.

The transparent calendered vinyl, UV stabilised, is manufactured in such a way to ensure a uniform clear colour appearance, with a colour stability up to 5 years outdoor. The very cohesive solvent-based adhesive provides an excellent dimensional stability and water resistance. The clay coated kraft paper liner is designed for trouble-free plotter cutting on a wide variety of computerised sign cutting equipment.

All products are REACH & RoHS compliant.

TYPICAL USE

- Shop windows decoration
- Glass door graphics
- Short to medium term illuminated signs

CONSTRUCTION

- **Face film:** 80 µm monomeric calendered vinyl.
- **Adhesive:** permanent clear solvent-based acrylic
- **Release liner:** clay coated kraft paper 120 g/m².

CONVERTING METHOD

Specially developed for trouble-free plotter cutting on a wide variety of computerised sign cutting equipment.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Wet application is recommended.

Application temperature above 10°C on clean and degreased substrates such as glass and acrylic panels.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is:

- 3 to 5 years for all colours

This information is based on real field 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.

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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)	>150%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)	0,3 mm	FTM 14
Initial adhesion on glass (20 minutes)	13 N/25mm	FTM 1
Adhesion on glass (24 hours)	16 N/25mm	FTM 1
Final adhesion on glass (1 week)	18 N/25mm	FTM 1
Minimum application temperature	+10 °C	
Service temperature	From -40 °C to +90 °C	
One side siliconized clay coated paper liner	120 g/m ²	ISO 536
Humidity resistance	No effect	200 hours exposure
Water resistance	No effect	24 hours immersion
Detergent (1% solution)	No effect	24 hours immersion
Isopropyl alcohol / Water (20/80)	No effect	10 minutes immersion

QUALITY CERTIFICATION



DISCLAIMER

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