

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 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.

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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

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.