RITRAMA

TECHNICAL DATA SHEET
ISSUE: 1
DATE: 28/12/2021

Ri-Mark Platinum

PRODUCT DESCRIPTION / BENEFITS

Ri-Mark Platinum series is the ideal choice for Branding purpose as well as for medium to long term internal and external applications. The high gloss premium polymeric vinyl, UV stabilised, has an external colour stability up to 10 years. The very cohesive solvent-based adhesive provides an excellent dimensional stability and water resistance. The kraft liner is designed for trouble-free plotter cutting on a wide variety of computerised sign cutting equipment.
For an easier stripping & weeding, the liner of white films is coated with a blue contrast silicone.
All our products are REACH & RoHS compliant.

TYPICAL USE

- Branding on vehicle, windows, panels
- Long term indoor and outdoor advertising
- Directional Signage

CONSTRUCTION

- **Face film:** 65 µm calendered polymeric vinyl
- **Adhesive:** permanent clear solvent-based acrylic
- **Release liner:** clay coated kraft paper 120 g/m^2
  Airflow liner: micro-embossed PE coated kraft paper 140 g/m2

CONVERTING METHOD

Specially developed for trouble-free plotter cutting on a wide variety of computerised sign cutting equipment. Printable by thermal transfer and screen-printing method.

APPLICATION METHOD / INSTRUCTIONS FOR USE

Ri-Mark Platinum series is suitable for uneven and curved surfaces. For extremely curved surfaces or with corrugations, the product should be cut and applied with an overlap. Application temperature above 10°C on clean and degreased substrates.
Products with kraft liner are suitable for dry and wet application method, while products with Airflow liner are only suitable for dry application method

EXPECTED DURABILITY

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

- 10 years for white film
- 8 years for coloured & black films
- 5 years for metallic films

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	65 µm	ISO 534-80
Face thickness, with adhesive	90 µm	ISO 534-80
Tensile strength (machine direction)	> 10 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)	0,2 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 Airflow liner: micro-embossed PE coated kraft paper	120 g/m^2 140 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

QUALITY SYSTEM CERTIFICATION
DNV
ISO 9001

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.

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