

Ri-Mark Gemstone 640 cast

PRODUCT DESCRIPTION / BENEFITS Ri-Mark Gemstone 640 cast is the ideal choice for decorating a surface with sparkling metallic effect, providing dynamic graphic accents.

The glossy sparkling metallic cast vinyl films, UV stabilised, have an external colour stability up to 5 years. The solvent-based adhesive provides a good dimensional stability. The kraft liner is designed for trouble-free plotter cutting on a wide variety of computerised sign cutting equipment.

All our products are REACH & RoHS compliant.

TYPICAL USE

- Medium to long term indoor and outdoor decoration
- Vehicles stripping
- Point of sales displays, exhibition stands

CONSTRUCTION

- **Face film:** 75 µm metallic cast vinyl.
- **Adhesive:** permanent solvent-based acrylic.
- **Release liner:** clay coated kraft paper 135 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 Ri-Mark Gemstone 640 cast can be applied on flat and complex curves and is suitable for dry and wet application method.

Application temperature above 10 °C on clean and degreased substrates.

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

- 5 years for all metallic coloured 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	75 µm	ISO 534-80
Face thickness, with adhesive	95 µm	ISO 534-80
Tensile strength (machine direction)	> 10 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)	0,1 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 +110 °C	
One side siliconized clay coated paper liner	135 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.