

Ri-Mark Etched Glass

PRODUCT DESCRIPTION / BENEFITS Ri-Mark Etched Glass series is the ideal choice for windows decoration with etched effect, ensuring privacy and allowing natural light transmission.

The Ri-Mark Etched Glass series is made with translucent cast (PTC) and polymeric calendered films (PTA, PTAS and PTF), UV stabilised, manufactured in such a way to ensure a uniform matt appearance, with a colour stability up to 7 years for outdoor use and up to 12 years for indoor use in case of PTC and 9 years in case of PTA, PTAS and PTF.

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. Alternatively, the Airflow liner provides an easier product installation. Available in frosted appearance (PTC, PTA and PTAS) and dusted appearance (PTF). All products are REACH & RoHS compliant.

TYPICAL USE

- Windows decoration on restaurants, bars, museums, showrooms, ...
- Privacy applications in banks, offices, homes, ...

CONSTRUCTION

- **Face film:** 80 µm cast vinyl (= PTC)
80 µm calendered polymeric vinyl (=PTA, PTAS and PTF)
- **Adhesive:** Permanent clear solvent-based acrylic
Removable clear solvent-based acrylic
- **Release liner:** clay coated kraft paper 120 g/m² or
Airflow liner: micro-embossed PE coated kraft paper 140 g/m².

Products:

Cast with frosted finish:	Code: 03844	-	Ri-Mark Etched Glass cast Crystal PTC N
Polymeric frosted Perm:	03529	-	Ri-Mark Etched Glass PTA Silver Perm SB
Polymeric frosted Perm:	05126	-	Ri-Mark Etched Glass PTA Perm SB Airflow N
Polymeric frosted Perm:	05366	-	Ri-Mark Etched Glass PTAS Dark Silver Perm SB N
Polymeric dusted Perm:	04813	-	Ri-Mark Etched Glass PTF Dusted Perm SB
Polymeric dusted Perm:	06237	-	Ri-Mark Etched Glass PTF Dusted Perm SB Airflow N
Polymeric frosted Rem:	05499	-	Ri-Mark Etched Glass PTA Rem SB Airflow N

CONVERTING METHOD Specially developed for trouble-free plotter cutting on a wide variety of computerised sign cutting equipment. Can also be printed with solvent, eco-solvent, latex, and UV inkjet printing presses.

APPLICATION METHOD / INSTRUCTIONS FOR USE Wet application method is recommended for products with kraft liner, while dry application is recommended with Airflow liner. 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:

- 7 years for PTC, PTA and PTAS (frosted appearance)
- 7 years for PTF (dusted appearance)

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)	>120%	ISO 527
Fire resistance on aluminium	Self-extinguishing	ISO 3795:1989
Dimensional stability (1 week @70 °C on glass)		
PTC (cast)	0.1 mm	FTM 14
PTA, PTAS, PTF (polymeric) permanent	0.2 mm	
PTA (polymeric) removable	0.4 mm	
Adhesion on glass (20 minutes) permanent	13 N/25mm	FTM 1
(24 hours)	16 N/25mm	
(1 week)	18 N/25mm	
Adhesion on glass (20 minutes) removable	5 N/25mm	FTM 1
(24 hours)	6 N/25mm	
(1 week)	7 N/25mm	
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
Airflow, micro-embossed PE coated kraft paper	140 g/m ²	

QUALITY CERTIFICATION



DISCLAIMER

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