

# Metamark Frost

Etch Glass Effect Film



## Product Description

Metamark Frost is an opal etch effect vinyl suitable for glass manifestation and privacy screening, replacing traditional acid etching. The smooth, consistent finish provides a striking effect when producing decals, graphics or for architectural use when covering complete areas of glass. Once applied, the printed areas produce higher visual impact than a print on gloss clear film, while unprinted areas retain the appearance of frosted glass. The proprietary solvent adhesive system ensures sparkling results without a trace of adhesive visibility, and allows easy wet application.

## Material Handling

- Ensure that the material has reached room temperature and a relative humidity of 50% before printing.
- Do not handle the face film directly and ensure it is free from dust and static.

## Printing Guidelines

- Suitable for use on Solvent, Eco Solvent, Latex and U.V. inkjet printers. Always perform a test print first.
- The product may be printed in the correct orientation or reversed, showing the image through the glass.
- Ensure that the correct profiles and heater settings are used. Most profiles are available for download from [www.metamark.co.uk](http://www.metamark.co.uk).
- For print and cut applications it is advisable to allow a border around the print. Cutting flush to the print may cause edge curl.

## Application Guidelines

- Allow the inks to cure before cutting flush to the print or application, this is usually 24-48 hours
- Ensure the glass is clean from grease and dirt. Do not use silicon based cleaning products.
- Suitable for wet application.
- Not suitable for use on Polycarbonate. Application between two sheets of glass is not recommended.
- Take care applying to cold glass as initial adhesion will be reduced. Do not apply to self-cleaning glass.
- Refer to [www.metamark.co.uk/technical](http://www.metamark.co.uk/technical) for further advice on application to glass.

## Face Film

Face Film:	Clear matt calendered PVC
Gauge:	80 micron nominal
Tensile Strength	65N/25mm MD / 45N/25mm TD
Elongation at break	180% MD nominal
Shrinkage	Minimal

## Adhesive

Type	Permanent solvent-based acrylic
Weight	20gsm nominal
Adhesion to glass 20 mins	15N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Perceived tack	Medium
Shear strength	Medium to high
Application temperature	+5°C to +60°C
Service temperature	-30°C to +110°C

## Light Transmission

Frost	85%
-------	-----

## Release Liner

Type	An advanced specially treated layflat kraft paper with high internal strength and PE coating
Gauge	145mym nominal
Weight	140 gsm nominal

## Finishes

Finishes	M4-OF Frost
----------	-------------

## Durability

Shelf Life	1 year
External weathering	3 years in vertical exposure under Northern European conditions
Fire Rating	Class B - classification compliant with BS EN 13501-1:2007

**Warranty:** Metamark (UK) Limited warrants to its customers that completed decorative markings which utilise Metamark SignVinyl will remain in good condition without excessive fading or colour degradation for the specified life time of each material when correctly stored and applied in accordance with procedures outlined in the technical literature. If within the specified years of normal use Metamark SignVinyl becomes ineffective for its intended use, then Metamark will provide sufficient material to produce a new replacement marking, and will also, at its own discretion, contribute an allowance towards the costs involved in replacing the graphics. **Please Note:** The above data is given in good faith to provide an indication of the performance of the product. Purchasers should consider the suitability of each product for its intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product nor for incidental nor consequential loss.

## Metamark (UK) Limited

○ Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140 • Fax +44 (0)1524 387147

○ Metamark House • Octimum Business Park • Forsyth Road • Woking • GU21 5SF • Tel +44 (0)1483 571111 • Fax +44 (0)1483 570540

[sales@metamark.co.uk](mailto:sales@metamark.co.uk)

[www.metamark.co.uk](http://www.metamark.co.uk)