

MetaScape Frost

Etch Glass Effect Film with 'MetaScape' Adhesive System



Product Description

For faster, trouble-free application of glass manifestation, MetaScape Frost offers ease of application by providing air with an exit route from under the graphic. Frosted glass window graphics with a smooth consistent finish can be produced replacing traditional acid etching, whether computer-cut or for total-coverage architectural applications. 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 product has an 80 micron monomeric calendared frosted film.

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.
- 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

- 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.
- Dry Application Only.
- 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 for application guidelines.

Face Film

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

Adhesive

Type	'MetaScape' permanent clear solvent acrylic with air channels.
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%
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Release Liner

Print	'MetaScape' print
Weight	140 gsm nominal
Type	Structured layflat kraft paper with PE coating

Finishes

Finishes	M4A-OF MetaScape Frost
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Durability

Shelf Life	1 year
External weathering	3 years in vertical exposure under Northern European conditions. Refer to ink manufacturer for durability of the finished product.
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.

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