

# MetaScape Crystal, Dusted, Silver Etch and Opal Haze



Premium Etch Glass Effect Films with 'MetaScape' Adhesive System

## Product Description

For faster, trouble-free application of glass manifestation, MetaScape Etches offers ease of application by providing air with an exit route from under the graphic. MetaScape Crystal Etch, Dusted Etch, Silver Etch and Opal Haze films are polymeric calendered etch effect vinyls, specially formulated for producing fine window decals and manifestation. When printed the media provides a striking effect when producing decals, the printed areas produce higher visual impact than a print on gloss clear film. The 70 micron film and high quality release liner and adhesive provide fast cutting and easy weeding on all computerised sign making equipment. The vinyl is resistant to most mineral oils, fats and fuels, aliphatic solvents, mild acids, diesel, gasoline, paraffin, hydraulic oil, antifreeze, soap suds etc.

## 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.
- Dry Application only.
- Take care applying to cold glass as initial adhesion will be reduced. Do not apply to self-cleaning glass.
- Not suitable for use on Polycarbonate. Application between two sheets of glass is not recommended.
- Refer to [www.metamark.co.uk/technical](http://www.metamark.co.uk/technical) for further advice on application to glass.

## Face Film

Face Film:	Polymeric calendered PVC
Gauge:	70 micron nominal Opal Haze 80 micron nominal
Tensile Strength	47N/25mm MD / 43N/25mm TD
Elongation at break	180% MD nominal
Shrinkage	-0.5% MD, -0.2% TD

## Adhesive

Type	'MetaScape' permanent clear solvent acrylic with air channels.
Weight	22gsm 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

MetaScape Crystal Etch	57%
MetaScape Dusted Etch	88%
MetaScape Silver Etch	56%
MetaScape Opal Haze	75%

## Release Liner

Print	'MetaScape' print
Weight	140 gsm nominal
Gauge	145mym nominal
Type	Structured layflat kraft paper with PE coating

## Finishes

Finishes Available	M7A-CR MetaScape Crystal Etch M7A-DE MetaScape Dusted Etch M7A-SE MetaScape Silver Etch M7A-OH MetaScape Opal Haze
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## Durability

Shelf Life	1 year
External weathering	7 years in vertical exposure under Northern European conditions. This refers to the unprinted vinyl. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Class B. Classification compliant with BS EN 13501-1:2007
Chemical Resistance	Resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali for e.g. diesel oil, gasoline, paraffin, hydraulic oil, antifreeze, soap suds etc.

**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.