

# Metamark Crystal, Dusted and Silver Etch

Premium Etch Glass Effect Films



## Product Description

Metamark Crystal Etch, Dusted Etch and Silver Etch films are polymeric calendered etch effect vinyls, specially formulated for producing fine window decals and manifestation. 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.

## Typical Applications

- For computer-cut etched glass effect graphics, and window manifestation.
- Crystal Etch offers a subtle glitter effect, Silver Etch is suitable for decals where a higher level of opacity is required, while Dusted Etch provides a higher level of transparency for more subtle window markings.

## Application Guidelines

- Suitable for wet application.
- 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 matt calendered PVC |
| Gauge:              | 70 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                      | Permanent pressure sensitive acrylic |
| 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

|              |     |
|--------------|-----|
| Dusted Etch  | 88% |
| Silver Etch  | 56% |
| Crystal Etch | 57% |

## 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 Available | M7-CR Crystal Etch |
|                    | M7-DE Dusted       |
|                    | M7-SE Silver Etch  |

## Durability

|                     |   |
|---------------------|---|
| Shelf Life          | 1 year  |
| External weathering | 7 years in vertical exposure under Northern European conditions   |
| 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.

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