

## 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

Crystal Etch offers a distinctive glitter effect and 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.

### Face Film

|                          |                               |
|--------------------------|-------------------------------|
| Face Film:               | Polymeric matt calendered PVC |
| Gauge:                   | 70 micron nominal             |
| Tensile Strength nominal | 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 | Crystal, Dusted & 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 European standard. The full classification is 'B / s2 / d0'. Only applies when applied to substrates of a density greater than or the same as plasterboard, 800kg/m <sup>3</sup> . See web site for further information |

**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.