Metamark 4 Series
Intermediate Grade Calendered Sign Vinyl

METAMARK
The Materials Company

Product Description
Metamark 4 Series is a superior quality intermediate grade vinyl for computer-cut use, available in a range of Matt and Gloss colours. It is suitable for outdoor or indoor signage applications onto flat or slightly curved surfaces. The 70 micron soft handle face film offers ease of weeding. Exterior durability is 5 years for black and white, 4 years for colours and 3 years for metallic colours.

Typical Applications
- The Gloss series is suitable for short to medium term exterior vehicle graphics and other outdoor applications.
- The Matt series is ideal for indoor displays and exhibitions where it benefits from minimal reflection from overhead lighting.

Application Guidelines
- The Gloss and Matt series have a solvent-free adhesive, so avoid wet application to prevent the adhesive becoming milky. Expel any residual water, in particular when applied onto glass.
- The Gloss and Matt series have a semi-permanent adhesive so may be removed cleanly in the short term.
- Apply unstressed, in particular to curves and recesses. It is not suitable for application over rivets or complex recesses.
- Not recommended for use on low energy surfaces such as polypropylene. The user should determine suitability of all substrates – refer to www.metamark.co.uk/technical for advice on application surfaces.

Face Film

Face Film	Intermediate calendered PVC.
Gauge	70 micron nominal
Tensile Strength	50N/25mm MD / 48N/25mm TD nominal
Elongation at break	180% MD nominal
Shrinkage	Minimal

Adhesive

Type	Advanced Acrylic
Weight	18gsm nominal
Adhesion to glass 20 mins	10N/25mm nominal (Gloss) 8N/25mm nominal (Matt)
Adhesion to glass 24 hour	20N/25mm nominal (Gloss) 16N/25mm nominal (Matt)
Perceived tack	Medium (Gloss) Low to medium (Matt)
Shear strength	Medium to high (Gloss) Medium (Matt)
Application temperature	+5°C to +60°C
Service temperature	-30°C to 110°C

Release Liner

Type	Kraft paper
Printed	Metamark 4 Series in grey print.
Gauge	145mym nominal
Weight	140 gsm nominal

Finishes

Finishes Available	42 gloss and 31 matt shades.

Durability

Shelf Life	1 year
External weathering	4 to 5 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.
Regulations	REACH and RoHS compliant

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.