

Metamark 7 Series

High Performance Calendered Sign Vinyl



Product Description

Metamark 7 Series is a high performance calendered vinyl developed for computer-cut graphics for vehicles, window decals, and long term applications onto flat or slightly curved surfaces. The soft handle 70 micron face film offers ease of weeding, while the high grade solvent based adhesive allows wet application and clean removal. Exterior durability is 8 years for black and white, 7 years for colours and 5 years for metallic colours. M7-100 White Gloss and M7-101M White Matt have a blue contrast liner.

Features & Benefits

- Premium Grade Plotter Vinyl
- Apex® permanent Solvent based adhesive for clean removability.
- Metasure warranty up to 8 years.
- Available with Metascape® air release.
- Contemporary colour range of 90 colours.
- Engineered to give long term dimensional stability.

Face Film		Finishes	
Face Film	Polymeric calendered PVC	Finishes Available	87 Gloss and 3 Matt
Gauge	70 micron nominal	Durability	
Adhesive		Shelf Life	2 years. (10-20°C and 50% R.H).
Type	Permanent solvent-based acrylic	External weathering	8 years for black and white, 7 years for colours and 5 years for metallic ; in vertical exposure under northern European conditions.
Adhesion to glass 20 mins	15N/25mm nominal	Fire Rating	Class B - BS EN 13501-1:2007
Adhesion to glass 24 hour	20N/25mm nominal	Chemical Resistance	Class 0 - BS 476 pt7 (glass + Painted 3mm Aluminium)
Perceived Tack	Medium	Regulations	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.
Shear Strength	Medium to High		REACH & RoHS compliant
Application temperature	+10°C to +50°C		
Service temperature	-30°C to +110°C		
Release Liner			
Print	Metamark 7 Series in Purple print		
Weight	135 gsm nominal		
Type	Solventless, clay coated, layflat Kraft		

Application

- ideal for use on external applications including vehicle graphics and exterior sign applications.
- Suitable for plotter use, also for contour and vinyl lettering.
- Suitable for wet or dry application.
- Apply unstressed, in particular to curves and recesses. It is not suitable for application over rivets or complex recesses.
- Some Yellows and Tangerine are not suitable for use on darker Substrates due to low opacity.
- Not recommended for use on low energy surfaces such as polypropylene.
- The user should determine suitability of substrate.

MetaSure® 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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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 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 solvent-based adhesive
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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7
SERIES

 M7-130 Lemon	 M7-140 Poppy	 M7-181 Pink	 M7-119 Prussian
 M7-136 Bright Yellow	 M7-144 Medium Red	 M7-179 Peach Blossom	 M7-118 Reflex Blue
 M7-131 Sunflower	 M7-141 Flame Red	 M7-180 Lilac	 M7-155 Ultramarine
 M7-132 Medium Yellow	 M7-142 Tomato	 M7-186 Lavender	 M7-117 Oxford
 M7-137 Melon	 M7-146 Ruby	 M7-183 Violet	 M7-116 Admiral
 M7-135 Apricot	 M7-147 Rose	 M7-187 Dark Violet	 M7-154 Mid Blue
 M7-134 Marigold	 M7-149 Crimson	 M7-184 Mauve	 M7-153 Marina
 M7-138 Saffron	 M7-143 Cherry	 M7-158 Bright Blue	 M7-152 Ocean
 M7-139 Pumpkin	 M7-148 Deep Red	 M7-178 Viking	 M7-151 Olympic
 M7-133 Orange	 M7-114 Maroon	 M7-156 Navy	 M7-150 Pale Blue
 M7-112 Tangerine	 M7-145 Burgundy	 M7-157 Midnight	 M7-115 Cornflour
 M7-113 Burnt Orange	 M7-182 Magenta	 M7-185 Dark Navy	 M7-177 Eggshell

Premium grade high performance calendered vinyl, developed for computer-cut graphics for vehicles, window decals, and long-term applications onto flat or slightly curved surfaces.

Colours shown for visual representation are intended as a guide only.

	M7-159 Sky Blue		M7-197 Grasshopper		M7-105 Clear		M7-126 Storm Grey
	M7-188 Aquamarine		M7-161 Grass		M7-100 White Gloss		M7-111M Black Matt
	M7-166 Turquoise		M7-198 Nature		M7-101M White Matt		M7-110 Black Gloss
	M7-165 Teal		M7-160 Lime		M7-109 Chiltern White		M7-196 Graphite
	M7-167 Poseidon		M7-199 Apple		M7-122 Pale Grey		M7-192 Charcoal
	M7-168 Deep Lagoon		M7-174 Burnt Sienna		M7-121 Light grey		M7-193M Gunmetal
	M7-173 Traffic		M7-171 Brown		M7-123 Medium Grey		M7-190 Silver
	M7-164 Forest		M7-175 Shortbread		M7-120 Pewter		M7-195 Aluminium
	M7-169 Hunter		M7-176 Ivory		M7-127 Ash Grey		M7-194 Steel
	M7-162 Emerald		M7-172 Almond		M7-124 Dark Grey		M7-191 Gold
	M7-163 Mid Green				M7-125 Nimbus grey		
					M7-128 Shadow		