

# 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.

# 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 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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	<b>M7-130</b> Lemon		<b>M7-159</b> Sky Blue		<b>M7-188</b> Aquamarine		<b>M7-105</b> Clear
	<b>M7-136</b> <sup>A</sup> Bright Yellow		<b>M7-177</b> Eggshell		<b>M7-166</b> Turquoise		<b>M7-101M</b> <sup>AH</sup> White Matt
	<b>M7-131</b> <sup>A</sup> Sunflower		<b>M7-115</b> Cornflour		<b>M7-165</b> Teal		<b>M7-100</b> <sup>AH</sup> White Gloss
	<b>M7-132</b> Medium Yellow		<b>M7-150</b> Pale Blue		<b>M7-167</b> Poseidon		<b>M7-109</b> <sup>A</sup> Chiltern White
	<b>M7-137</b> Melon		<b>M7-151</b> <sup>A</sup> Olympic		<b>M7-168</b> Deep Lagoon		<b>M7-122</b> <sup>A</sup> Pale Grey
	<b>M7-135</b> <sup>A</sup> Apricot		<b>M7-152</b> Ocean		<b>M7-173</b> Traffic		<b>M7-121</b> <sup>A</sup> Light Grey
	<b>M7-134</b> Marigold		<b>M7-153</b> Marina		<b>M7-164</b> <sup>A</sup> Forest		<b>M7-123</b> Medium Grey
	<b>M7-138</b> Saffron		<b>M7-154</b> <sup>A</sup> Mid Blue		<b>M7-169</b> Hunter		<b>M7-120</b> Pewter
	<b>M7-139</b> Pumpkin		<b>M7-116</b> Admiral		<b>M7-162</b> <sup>A</sup> Emerald		<b>M7-127</b> Ash Grey
	<b>M7-133</b> <sup>A</sup> Orange		<b>M7-117</b> Oxford		<b>M7-163</b> Mid Green		<b>M7-124</b> <sup>A</sup> Dark Grey
	<b>M7-112</b> Tangerine		<b>M7-155</b> <sup>A</sup> Ultramarine		<b>M7-197</b> Grasshopper		<b>M7-125</b> <sup>AH</sup> Nimbus Grey
	<b>M7-113</b> Burnt Orange		<b>M7-118</b> <sup>A</sup> Reflex Blue		<b>M7-161</b> Grass		<b>M7-128</b> Shadow
	<b>M7-140</b> Poppy		<b>M7-119</b> <sup>A</sup> Prussian		<b>M7-198</b> <sup>A</sup> Nature		<b>M7-126</b> Storm Grey
	<b>M7-144</b> Medium Red		<b>M7-185</b> Dark Navy		<b>M7-160</b> Lime		<b>M7-111M</b> <sup>AH</sup> Black Matt
	<b>M7-141</b> Flame Red		<b>M7-157</b> Midnight		<b>M7-199</b> Apple		<b>M7-110</b> <sup>AH</sup> Black Gloss
	<b>M7-142</b> <sup>A</sup> Tomato		<b>M7-156</b> <sup>A</sup> Navy		<b>M7-171</b> Brown		
	<b>M7-146</b> Ruby		<b>M7-178</b> Viking		<b>M7-174</b> Burnt Sienna		<b>M7-194</b> <sup>A</sup> Steel
	<b>M7-147</b> Rose		<b>M7-158</b> Bright Blue		<b>M7-175</b> Shortbread		<b>M7-195</b> <sup>A</sup> Aluminium
	<b>M7-149</b> <sup>A</sup> Crimson		<b>M7-180</b> Lilac		<b>M7-176</b> Ivory		<b>M7-190</b> <sup>A</sup> Silver
	<b>M7-143</b> <sup>A</sup> Cherry		<b>M7-186</b> Lavender		<b>M7-172</b> Almond		<b>M7-193M</b> <sup>A</sup> Gunmetal
	<b>M7-148</b> <sup>A</sup> Deep Red		<b>M7-183</b> Violet		<b>M7-179</b> Peach Blossom		<b>M7-192</b> <sup>A</sup> Charcoal
	<b>M7-114</b> Maroon		<b>M7-187</b> Dark Violet		<b>M7-181</b> Pink		<b>M7-196</b> <sup>A</sup> Graphite
	<b>M7-145</b> <sup>A</sup> Burgundy		<b>M7-184</b> Mauve		<b>M7-182</b> Magenta		<b>M7-191</b> <sup>A</sup> Gold

Product Description

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.

The soft handle 70 micron face film offers ease of weeding, while the Apex high grade solvent based adhesive allows wet application and clean removal.

Specifications

Face Film	70 Micron Polymeric calendered PVC
Adhesive	Permanent solvent-based acrylic Apex: Supplied as standard MetaScape: Available on certain colours High Tack: Available on certain colours
Application Temperature	+5°C to +60°C
Release Liner	Structured Layflat Kraft Liner
Shelf Life	2 years
External Weathering	8 years black and white, 7 years colours, 5 years for metallics. Vertical exposure under Northern European conditions. For other regions and climates please refer to our full Durability Guide found on our website.
Fire Rating	Class B. BS EN 13501-1:2007

**MetaScape Adhesive System**

MetaScape offers faster, trouble-free application of larger areas on flat or slightly curved surfaces. The MetaScape Adhesive System provides air with an exit route through channels within the adhesive. MetaScape is suitable for dry application methods, resulting in a durable graphic that is ready much sooner after installation.



**High Tack Adhesive System**

The High Tack Adhesive System has been developed to apply to 'difficult to stick to' surfaces, smooth low energy plastics such as PE and PP, and for smooth sealed interior wall decor applications. The High Tack adhesive provides enhanced adhesion and a high grade solvent-based adhesive which allows for wet application.

<sup>A</sup>Indicates colour available with the optional MetaScape adhesive system. Please specify at point of ordering.  
<sup>H</sup>Indicates colour available with the optional High Tack adhesive system. Please specify at point of ordering.