

# Metamark M5000 Reflective

Engineering Grade

**METAMARK**

The Materials Company

## Product Description

M5000 series is a high quality engineering grade enclosed lens type retro-reflective suitable for high visibility vehicle markings (where permitted) and safety signs. It offers 7 year exterior durability, and has a robust PET type film, so does not suffer the brittleness or tearing common to reflective materials, resulting in outstanding ease of application. This product is suitable for application on flat panels or simple curves. Not suitable for use on compound curves or recesses. [Not suitable for silk screen printing.]

## Typical Applications

- For cad-cam plotter use, for high visibility vehicle conspicuity markings and outdoor safety signage.
- It is the responsibility of the user to determine suitability of the product, ie: compliance with any regulations.

## Application

- The most effective method of processing should be such that incoming light is reflected directly back to the light source.
- The product allows application onto flat or single curved surfaces. Not suitable for compound curves.
- It can be applied wet, but keep this to a minimum and expel all water after application.
- The polyester base makes it robust during application, compared to many other products, but once down, it will become brittle to remove.
- For further guidelines refer to sign vinyl application.

## Face Film

Film Type PET  
Film Thickness 120 micron

## Release Liner

Type Printed Kraft  
Weight 160gsm

## Adhesive

Adhesive Type Pressure sensitive  
Application Temperature 15°C to 25°C  
Service Temperature -20°C to 60°C

## Durability

Durability 7 years  
Shelf Life 2 years

## Finishes

Finishes Available White, red, yellow, blue, green, green and orange.

## Coefficient of retro-reflection

Observation Angle	Entrance Angle	White	Yellow	Red	Green	Blue
0.2	-4	80	50	14	9	4
	30	30	22	6	3.5	1.5
1	-4	5	3	2	1	0.6
	30	2	1.5	0.6	0.4	0.2

**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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