

# MetaGuard MGi

Performance PVC Overlaminates



## Product Description

MetaGuard MGi is the matched overlaminates to the Metamark MD-i series. The 70 micron polymeric film, with solvent adhesive, gives a high level of abrasion resistance and contains UV stabilisers. It can be used on flat or simple curves such as vehicle graphics. It is available in Gloss or Matt finish. Fire Rating Class B [BS EN 13501-1:2007.] Suitable for Solvent, Eco Solvent and Latex inks.

## Material Handling

- This product is suitable for cold lamination using a laminator.
- Ensure that the material has reached room temperature and a relative humidity of 50% before use.

## Overlaminating

- Suitable for use on Solvent, Eco Solvent inkjet and Latex prints on Metamark print media. Not suitable for UV prints.
- The product is matched to Metamark MD-i Series. The user should determine suitability of the overlaminates to other print media.
- Allow the inks to cure before overlaminating, usually 24-48 hours. Failure to do so can cause delamination, tunnelling and shrinkage.
- Apply around 30°C on the top roller to prevent silvering of the adhesive.
- Refer to [www.metamark.co.uk](http://www.metamark.co.uk) for further application guidelines.
- The user should determine suitability of the overlaminates to the print media.

## Face Film

Face Film	Polymeric Calendered PVC
Gauge	70 micron nominal
Tensile Strength	49N/25mm MD / 47N/25mm TD
Elongation at break	180% MD nominal

## Adhesive

Type	Permanent solvent-based acrylic with UV inhibitors
Weight	22gsm nominal
Adhesion to glass 20 mins	18N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Perceived tack	Medium
Application temperature	+5°C to +60°C
Service temperature	-30°C to +110°C

## Release Liner

Print	'Metamark Digital Vinyl' purple print
Weight	140 gsm nominal
Type	Layflat kraft paper with PE coating

## Finishes

Finish Available	MG-i-002	Matt
	MG-i-005	Gloss

## Roll Presentation

Roll sizes and net weights	760mm x 50m 1370mm x 50m 1600mm x 50m
Presentation	Laminate outwards, on a 76mm core.

## Durability

Shelf Life	2 years
External weathering	5 years (International customers please contact your local Metamark partner for confirmation of durability). This refers to the overlaminates and not the protection that it gives the printed image.
Fire Rating	Class B - BS EN 13501-1:2007. The full classification is 'B / s2 / d0'.
Dimensional Stability	<0.4mm (48h at 70°C on aluminium)
Chemical Resistance	The unprinted film is 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

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