

# MetaGuard MG*i*

## Performance PVC Overlaminates



Technical Datasheet MG*i* V2 - July 2023

### Product Description

MetaGuard MG*i* 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 13501-1:2018.] Suitable for Solvent, Eco Solvent, Latex and UV inks.

### Features & Benefits

- UK Manufactured.
- Matched to Metamark MD*i* Print films.
- MetaSure Warranty with 5 year durability.
- For use on Solvent, Eco Solvent, Latex and UV prints.

#### Face Film

Face Film	Calendered PVC
Gauge (ISO 2286-3)	70 micron nominal <sup>1</sup>
Tensile Strength	50N/25mm MD / 48N/25mm TD nom
Elongation at break	180% MD nominal

#### Adhesive

Type	Permanent clear pressure sensitive solvent-based acrylic with UV inhibitors
Adhesion to glass 20 mins	18N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Application temperature	+10°C to +60°C
Service temperature	-30°C to +110°C

#### Release Liner

Print	'Metamark Digital Vinyl' Grey print
Weight	140 gsm nominal
Type	Solventless Kraft

#### Finishes

Finishes Available	MG-i-002 Matt MG-i-005 Gloss
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#### Roll Presentation

Roll Widths	0.76m / 1.37m / 1.60m
Roll Lengths	50m

#### Durability

Shelf Life	2 years. (10-20°C and 50% R.H).
External weathering	5 years (Unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide.
Fire Rating	Class B - BS EN 13501-1:2018
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, ant-freeze, soap suds, etc.
Regulations	REACH and RoHS Compliant.

### Handling and Application

- 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 printing.
- Do not handle the face film, ensure free from dust and static.
- Allow the inks to cure before overlaminating, this is usually 24-48 hours (darker colours can be longer).
- Suitable for use on Eco Solvent, Solvent and Latex prints.
- The product is matched to MD*i*. Matched laminates prevent tunnelling and delamination.
- Apply around 30°C on the top roller to prevent silvering of the adhesive.
- The user should determine suitability of the overlaminates to the print media.

### MetaSure® Warranty

Metamark (UK) Limited warrants to its customers that graphics produced using Metamark Media and Overlaminates will remain in good condition without excessive fading or colour degradation for the specified life time of the ink used, when correctly stored, printed and applied in accordance with procedures outlined in the technical literature. If within the specified years of normal use Metamark Media and Overlaminates becomes ineffective for its intended use, then Metamark will provide sufficient material to produce a new replacement marking, and will at its own discretion, contribute an allowance in additional material towards the costs involved in replacing the graphics. In all cases, the converter is held fully responsible for storing, processing and applying the unconverted materials in accordance with Metamark's technical specifications. Metamark (UK) Limited will not be liable for any indirect or consequential loss or damage, and will not provide any allowance against improper use, application accident, negligence, chemical damage or improper repair. 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 (UK) Limited

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