

# MetaGuard-i-M005

Performance PVC Overlamine for UV Prints – MetaStream Ready™



## Product Description

MetaGuard MGI-M005 is a performance grade polymeric overlamine, with a permanent solvent-based adhesive, with the added feature of being MetaStream Ready™. The specially formulated solvent-based adhesive gives a high bond to the low energy surface of UV inks, overcoming silvering. Overlaminating with MetaGuard MGI-M005 provides increased resistance to abrasion and durability of the print and offers UV inhibitors. It can be used on flat or simple curves. It is available in Gloss finish and has a Fire Rating of Class B [BS EN 13501-1:2007.].

## Features & Benefits

- UK Manufactured.
- Matched to Metamark MDi Print films.
- MetaSure Warranty with 5 year durability.
- MetaStream Ready™.
- For use on Solvent, Eco Solvent, Latex and UV prints.

Face Film		Finishes		
Face Film	Calendered PVC	Finishes Available	MG-i-M005	Gloss
Gauge (ISO 2286-3)	70 micron nominal <sup>1</sup>	<b>Roll Presentation</b>		
Tensile Strength	50N/25mm MD / 48N/25mm TD nom	Roll Widths	1.37m	
Elongation at break	180% MD nominal	Roll Lengths	50m	
Adhesive		Durability		
Type	Permanent clear pressure sensitive solvent-based acrylic with UV inhibitors	Shelf Life	2 years. (10-20°C and 50% R.H).	
Adhesion to glass 20 mins	17N/25mm nominal	External weathering	5 years (Unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide.	
Adhesion to glass 24 hour	23N/25mm nominal	Fire Rating	Class B - BS EN 13501-1:2018	
Application temperature	+10°C to +50°C	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.	
Service temperature	-30°C to +100°C	Regulations	REACH and RoHS Compliant.	
Release Liner				
Print	'Metamark MetaStream' purple print			
Weight	135 gsm nominal			
Type	Layflat Kraft with Double PE Coating			

## 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 UV, Eco Solvent, Solvent and Latex prints.
- The product is matched to MDi. 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 overlamine to the print media.



MetaStream Ready™

Film and Liner may be recycled in our recycling scheme.



## 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 usage, 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.

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