

# MetaGuard 100

Calendered PVC Overlaminates



## Product Description

MetaGuard 100 is a calendered PVC overlaminates, providing a matched system for use with Metamark MD-100. It offers greater durability of the print with increased resistance to abrasion. Applications include advertising, point of sale, windows, advertising boards and other promotional applications. Fire Rating Class B [BS EN 13501-1:2007]

## Material Processing and 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 and Application

- Suitable for use on Solvent, Eco Solvent and Latex inkjet prints on Metamark print media. Not suitable for UV prints.
- The product is matched to Metamark MD-100. The user should determine suitability of the overlaminates to other print media.
- Avoid wet application – the product has a permanent water-based adhesive
- 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.

## Face Film

Face Film	Calendered PVC
Gauge	70 micron nominal
Tensile Strength	50N/25mm MD / 48N/25mm TD nominal
Elongation at break	180% MD nominal

## Adhesive

Type	Permanent clear pressure sensitive solvent-free acrylic
Weight	18gsm nominal
Adhesion to glass 20 mins	13N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Perceived tack	Medium
Shear strength	Medium
Application temperature	+8°C to +60°C
Service temperature	-20°C to +100°C

## Release Liner

Print	Plain
Weight	140 gsm nominal
Type	Kraft

## Finishes

Finish Available	MG-105	Gloss
	MG-102	Matt

## Roll Presentation

Roll sizes and net weights	760mm x 50m	11kg
	1370mm x 50m	20kg
	1600mm x 50m	23kg
Presentation	Laminate outwards, on a 76mm core.	

## Durability

Shelf Life	1 year
External weathering	3 years. This refers to the overlaminates and not the protection that it gives the printed image.
Fire Rating	Class B. Classification compliant with BS EN 13501-1:2007
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.

**Warranty:** Metamark (UK) Limited warrants to its customers that graphics produced using Metamark Metaguard 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 Metaguard 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. **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 (UK) Limited

○ Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140 • Fax +44 (0)1524 387147

○ Metamark House • Octimum Business Park • Forsyth Road • Woking • GU21 5SF • Tel +44 (0)1483 571111 • Fax +44 (0)1483 570540

[sales@metamark.co.uk](mailto:sales@metamark.co.uk)  
[www.metamark.co.uk](http://www.metamark.co.uk)