

# MetaGuard 300

## Intermediate Grade PVC Overlaminates



### Product Description

MetaGuard 300 is recommended for Metamark MD3, and as a matched overlaminates prevents tunnelling or delamination. The 70 micron film gives a high level of abrasion resistance and contains UV stabilisers. It can be used on flat or gently curved surfaces such as vehicle graphics. Fire Rating Class B [BS EN 13501-1:2007]

### 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 MD3. 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	Calendered PVC
Gauge	70 micron nominal
Tensile Strength	50N/25mm MD / 48N/25mm TD
Elongation at break	180% MD nominal

### Adhesive

Type	Permanent clear 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' blue print
Weight	140 gsm nominal
Type	Kraft

### Finishes

Finish Available	MG-302	Matt
	MG-305	Gloss

### Roll Presentation

Roll sizes and net weights	760mm x 50m 1050mm x 50m (Export Only) 1370mm x 50m 1520mm x 50m 1600mm x 50m
Presentation	Laminate outwards, on a 76mm core.

### Durability

Shelf Life	1 year
External weathering	5 years. 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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