

MetaGuard 700

High Performance Calendered PVC Overlaminates



Product Description

MetaGuard 700 is a 70 micron polymeric calendered self-adhesive vinyl overlaminates with UV inhibitors, suitable for lamination of interior or exterior applications. Overlaminating with MetaGuard 700 provides increased resistance to abrasion and durability of the print. When applied over Metamark MD5 digital print media the products provide a matched system. It can be applied over flat or semi-curved surfaces and has a solvent-based adhesive that eliminates problems during wet application.

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 MD5. Matched laminates prevent tunnelling and delamination.
- Allow the inks to cure before overlaminating, usually 24-48 hours (Not applicable to Latex prints). 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 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	47N/25mm MD / 43N/25mm TD nominal
Elongation at break	180% MD nominal

Adhesive

Type	Permanent clear pressure sensitive solvent-based acrylic with UV inhibitors
Weight	22gsm nominal
Adhesion to glass 20 mins	15N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Perceived tack	Medium
Shear strength	Medium to high
Application temperature	+5°C to +60°C
Service temperature	-30°C to +110°C

Release Liner

Print	'Metamark Digital Vinyl' grey print
Weight	140 gsm nominal
Type	Kraft paper with high internal strength and PE coating

Finishes

Finish Available	MG-705	Gloss
	MG-703	Satin
	MG-702	Matt

Roll Presentation

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

Durability

Shelf Life	2 years
External weathering	7 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
Dimensional Stability	<0.3mm (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

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, 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.

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