

MetaGuard 700

High Performance Calendered PVC Overlamine



Product Description

MetaGuard 700 is a 70 micron¹ polymeric calendered self-adhesive vinyl overlamine 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.

Features & Benefits

- UK Manufactured.
- Matched to Metamark MD5 Print films.
- MetaSure Warranty with 7 year durability.
- For use on Solvent, Eco Solvent and Latex prints.

Face Film		Finishes	
Face Film	Polymeric calendered PVC	Finishes Available	MG-702 Matt (1.05m Export Only)
Gauge (ISO 2286-3)	70 micron nominal ¹		MG-703 Satin (1.05m Export Only)
Tensile Strength	47N/25mm MD / 43N/25mm TD nom		MG-705 Gloss
Elongation at break	180% MD nominal		MG-706 Sandtex (1.37m & 1.52m Only)
Adhesive		Roll Presentation	
Type	Permanent clear pressure sensitive solvent-based acrylic with UV inhibitors	Roll Widths	0.76m / 1.05m / 1.37m / 1.52m / 1.60m
Adhesion to glass 20 mins	15N/25mm nominal	Roll Lengths	1.36m (MG-705 only)
Adhesion to glass 24 hour	20N/25mm nominal		25m / 50m
Application temperature	+10°C to +60°C	Durability	
Service temperature	-30°C to +110°C	Shelf Life	2 years. (10-20°C and 50% R.H).
Release Liner		External weathering	7 years (Unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide.
Print	'Metamark Digital Vinyl' Grey print	Fire Rating	Class B - BS EN 13501-1:2018
Weight	140 gsm nominal	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.
Type	Solventless Kraft		REACH and RoHS Compliant.
¹ MG-706 Sandtex is 100 micron nominal		Regulations	

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 MD5. 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.

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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