

# MetaGuard-UV-700

High Performance Calendered PVC Overlaminates for UV Prints



## Product Description

Metaguard UV 700 is a 70 micron polymeric calendered vinyl overlaminate for use with UV Prints. The specially formulated solvent-based adhesive gives a high bond to the low energy surface of UV prints and overcomes silvering. Overlaminating with MetaGuard UV 700 provides increased resistance to abrasion and durability of the print and offers UV inhibitors. It is suitable for interior or exterior applications over flat or semi-curved surfaces.

## Material Handling

- This product is suitable for cold lamination using a laminator. Apply around 30°C on the top roller to prevent silvering of the adhesive.
- 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, UV cured Ink technology and Latex prints on Metamark print media.
- 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, tunneling and shrinkage.
- Refer to [www.metamark.co.uk](http://www.metamark.co.uk) for further application guidelines.
- The user should determine suitability of the overlaminate 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	23gsm nominal
Adhesion to glass 20 mins	17N/25mm nominal
Adhesion to glass 24 hour	23N/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' blue print
Weight	140 gsm nominal
Type	Kraft

## Finishes

Finish Available	MG-UV-705	Gloss
	MG-UV-702	Matt

## Roll Presentation

Roll sizes and net weights	1370mm 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 overlaminate 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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