

## Product Description

Metaguard 700 is a 70 micron polymeric calendared self-adhesive vinyl overlaminates suitable for lamination of interior or exterior applications. The product is moderately conformable so is suitable for prints applied over curved surfaces, and the product has good long-term durability.

## Typical 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, as both these polymeric calendared vinyl films are mutually conformable, with similar dimensional stability and durability, eliminating problems of differential weathering on curved surfaces. It can be applied over flat or semi-curved surfaces and has a solvent-based adhesive that eliminates problems during wet application.

## Material Processing and Handling

This product is suitable for cold lamination using a laminator, or can be wet applied over a solvent inkjet print.

### Face Film

Face Film	Polymeric calendared 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	Advanced specially treated layflat kraft paper with high internal strength and PE coating

### Finishes

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

### Roll Presentation

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

### Durability

Shelf Life	2 years
External weathering	5 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 European standard. The full classification is 'B / s2 / d0'. Only applies when applied to substrates of a density greater than or the same as plasterboard, 800kg/m <sup>3</sup> . See web site for further information

MD: Machine direction, TD: Transverse direction

**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.

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