

## Product Description

Metaguard 300 is a 70 micron monomeric calendared self-adhesive vinyl overlaminate providing protection of prints for interior and exterior use. The product offers 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 300 provides increased resistance to abrasion and durability of the print. The product is particularly well matched to the Metamark MD3 digital print media, as both monomeric 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	Monomeric calendared PVC
Gauge	70 micron nominal
Tensile Strength	50N/25mm MD / 48N/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	18N/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' blue print
Weight	140 gsm nominal
Type	Advanced specially treated layflat kraft paper with high internal strength and PE coating

### Finishes

Finish Available	MG-302	Clear Matt
	MG-305	Clear Gloss

### 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	1 year
External weathering	3 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 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, 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.

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