

# MetaGuard UV

PVC Overlaminates for UV Prints



## Product Description

MetaGuard UV Overlaminates has been developed for the finishing and protection of UV Prints. The specially formulated solvent based adhesive gives a high bond to the low energy surface of UV prints and overcomes silvering. Available in a Matt or Gloss finish, it offers a very high level of clarity and definition to the print. The 70 micron film gives a high level of abrasion resistance, and can be used on flat or simple curves. Fire Rating Class B [BS EN 13501-1:2007].

## 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 prints with UV cured Ink technology, as well as Solvent, Eco Solvent inkjet and Latex inks.
- The product is matched to Metamark media. The user should determine suitability of the overlaminates to other print media.
- Allow the inks to cure before overlaminating. Failure to do so can cause delamination, tunnelling and shrinkage.
- Refer to [www.metamark.co.uk](http://www.metamark.co.uk) for further application guidelines.
- The user should determine suitability of the overlaminates to the print media.

## Face Film

Face Film	Calendered PVC
Gauge	70 micron nominal
Tensile Strength	50N/25mm MD / 48N/25mm TD
Elongation at break	180% MD nominal

## Adhesive

Type	Permanent clear 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	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-102	Matt
	MG-UV-105	Gloss

## Roll Presentation

Roll sizes and net weights	1370mm x 50m	20kg
	1600mm x 50m	23kg
	1370mm x 100m	40kg
	1600mm x 100m	46kg
Presentation	Laminate outwards, on a 76mm core.	

## Durability

Shelf Life	1 year
External weathering	5 years. This refers to the overlaminates and not the protection that it gives the printed image.
Fire Rating	Class B - BS EN 13501-1:2007. The full classification is 'B / s2 / d0'.
Dimensional Stability	<0.4mm (48h at 70°C on aluminium)
Chemical Resistance	Resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali, diesel oil, gasoline, paraffin, hydraulic oil, antifreeze, soap suds, etc.
Regulations	REACH and RoHS compliant

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