

# MetaGuard-UV-X

Cylinder Cast Digital Wrapping Overlaminates for UV Prints



## Product Description

MetaGuard UV-X is a 50 micron Cylinder Cast soft PVC Overlaminates 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. Matched to Metamark MD-X digital wrapping media, this system provides assurance of dimensional stability and trouble free application over 3D surfaces, compound curves and recesses. Overlaminating with MetaGuard UV X provides increased resistance to abrasion and durability of the print and offers UV inhibitors.

## 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.
- 3D vehicle wraps only compatible with UV roll to roll printers.
- The product is matched to Metamark MD-X. 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, 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	Cylinder Cast Film
Gauge	50 micron nominal
Tensile Strength	18N/15mm MD min
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
Shear strength	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-UV-X-002	Matt
	MG-UV-X-005	Gloss

## Roll Presentation

Roll sizes and net weights	1370mm x 50m
	1600mm x 50m (Gloss Only)
Presentation	Laminate outwards, on a 76mm core.

## Durability

Shelf Life	2 years
External weathering	7 years. This refers to the unprinted vinyl. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Self-extinguishing. The fire rating is a function of the substrate.
Chemical Resistance	Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel oil, gasoline, paraffin, hydraulic oil, antifreeze.

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