

Metamark MD3-B

Intermediate Grade Blockout Vinyl



Product Description

The white face film is supplied with a grey pigmented solvent-based adhesive to provide increased opacity, and with Metamark's distinctive coating technology producing outstanding print performance. MD3-B is suitable for short to medium term applications, point of sale signage, vehicle graphics and applications onto most flat or slightly curved surfaces.

Printing and Handling

- Suitable for use on Solvent, Eco Solvent, Latex and U.V. inkjet printers. Always perform a test print first.
- Ensure that the correct profiles and heater settings are used. Most profiles are available for download from www.metamark.co.uk.
- Ensure that the material has reached room temperature and a relative humidity of 50% before printing.
- Do not handle the face film directly and ensure it is free from dust and static.

Overlaminating

- Overlaminating is recommended to prevent abrasion and to extend colour fastness.
- Allow the inks to cure before overlaminating, this is usually 24-48 hours.
- The matched laminate for MD3-B is MetaGuard 300. For all other laminates the user should determine suitability.

Application

- Allow the inks to cure before cutting flush to the print, this is usually 24-48 hours.
- Apply unstressed, in particular to curves and recesses. It is not suitable for application over rivets or complex recesses.
- Suitable for wet application. Always apply dry into recesses, or where the print is cut flush, to ensure best adhesion.
- Not recommended for use on low energy surfaces such as polypropylene. The user should determine suitability of substrate.
- Refer to www.metamark.co.uk for application guidelines.

Face Film

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

Adhesive

Type	Permanent grey solvent-based acrylic
Weight	18gsm nominal
Adhesion to glass 20 mins	10N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Perceived tack	Medium
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	Layflat kraft paper with PE coating

Finishes

Finishes Available	MD3-B	White Gloss
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Roll Presentation

Roll sizes and net weights	760mm x 50m	11kg
	1370mm x 50m	20kg
	1520mm x 50m	22kg
	1600mm x 50m	23kg
Presentation	Face film outwards, on a 76mm core.	

Durability

Shelf Life	1 year
External weathering	5 years. This refers to the unprinted vinyl. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Class B. BS EN 13501-1:2007
Dimensional Stability	<0.4mm (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

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