

Metamark MD3

Intermediate Grade Calendered Digital Vinyl



Product Description

Metamark MD3 is an intermediate grade calendered self-adhesive vinyl with Metamark's distinctive coating technology producing outstanding print performance using solvent inks. MD3 is supplied with a solvent-based adhesive and 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. (Not applicable to HP Latex prints)
- The matched laminate for MD3 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. (Not applicable to HP Latex prints)
- 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 clear 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	MD3-200	White Gloss
	MD3-301M	White Matt
	MD3-205	Clear Gloss

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. Class B. BS EN 13501-1:2007
Fire Rating	<0.4mm (48h at 70°C on aluminium)
Dimensional Stability	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.
Chemical Resistance	REACH and RoHS compliant
Regulations	

Warranty: Metamark (UK) Limited warrants to its customers that graphics produced using Metamark Digital Media 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 DigitalVinyl 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. **Please Note:** The above data is given in good faith to provide an indication of the performance of

Metamark (UK) Limited

○ Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140 • Fax +44 (0)1524 387147

○ Metamark House • Octimum Business Park • Forsyth Road • Woking • GU21 5SF • Tel +44 (0)1483 571111 • Fax +44 (0)1483 570540

sales@metamark.co.uk

www.metamark.co.uk

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Bestel direct op SignSeen.nl

info@signseen.nl
+31 (0) 318 502 897

Arkeneel 27
3905 NS
Veenendaal

Metamark (UK) Limited

Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140 • Fax +44 (0)1524 387147
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