Metamark MD5-B

High Performance Digital Vinyl with Grey Adhesive

Product Description

Metamark MD5-B is a premium grade polymeric calendered self-adhesive vinyl, with Metamark's distinctive coating technology producing outstanding print performance for printers using solvent inks. The grey pigmented solvent-based adhesive to provide increased opacity, so as to obscure the substrate. MD5-B is suitable for flat or slightly curved surfaces such as vehicle graphics.

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

- Overlamination 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 MD5-B is MetaGuard 700. 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, and 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	Polymeric calendered PVC
Gauge	70 micron nominal
Tensile Strength	47N/25mm MD / 43N/25mm TD nom.
Elongation at break	180% MD nominal

Adhesive

Type	Permanent grey solvent-based acrylic
Weight	22gsm nominal
Adhesion to glass 20 mins	15N/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

Roll Presentation

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

Release Liner

Print	'Metamark Digital Vinyl' grey print
Weight	140 gsm nominal
Type	Layflat kraft with PE coating

Finishes

Finishes Available	MD5-B	White Gloss

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	Class B. BS EN 13501-1:2007
Dimensional Stability	<0.3mm (48h at 70°C on aluminium)
Chemical Resistance	Unprinted film resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali for e.g. diesel oil, gasoline, paraffin, hydraulic oil, antifreeze.
Regulations	REACH and RoHS compliant

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 the product. Purchasers should consider the suitability of each product for its intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product nor for incidental nor consequential loss.

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