Metamark MD-i-AB

Performance Digital Vinyl with Grey 'MetaScape' Adhesive

METAMARK
The Materials Company

Product Description

Metamark MD-i-AB is a 70 micron polymeric calendered vinyl, with a grey pigmented adhesive to offer improved opacity, and prevent show-through on surfaces with a strong base colour, or for covering previous graphics.. The 'MetaScape' adhesive system, offering ease of application by providing air with an exit route from under the graphic, makes for faster, trouble-free application. MD-i-AB offers 7 years outdoor durability, and is ideal for medium term applications onto flat or simple curves including vehicle graphics. Suitable for printing with Solvent, Eco Solvent, Latex and UV inks.

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 MD-i-B is MetaGuard MGi. For all other laminates the user should determine suitability.

Applicationi-

- 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:	Polymeric Calendered PVC
Gauge:	70 micron nominal
Tensile Strength	49N/25mm MD / 47N/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	'MetaScape' purple print
Weight	140 gsm nominal
Type	Layflat kraft paper with PE coating

Finishes

Finishes Available	MD-i-AB	White Gloss

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.	

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	<0.4mm (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

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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