

Metamark MD3-R

Removable Grade Digital Vinyl



Product Description

Metamark MD3-R is a removable intermediate grade calendered self-adhesive vinyl that provides excellent print performance on printers using solvent inks. It is ideal for temporary vehicle graphics, promotions and advertising. It is suitable for application to high energy surfaces such as steel and glass. Can be removed cleanly for up to 6 months after application

Printing and Handling

- Suitable for use on Solvent and Eco Solvent 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.

Application

- Avoid cutting flush to the print, allowing a clear border is recommended.
- Apply unstressed. It is not suitable for application over rivets or into recesses.
- Apply MD3-R-200 using a dry application. This product has a low tack, waterbased adhesive.
- Not recommended for use on low energy surfaces such as polypropylene, embossed surfaces, emulsion walls or textured plastics.
- The user should determine suitability of substrate.
- Refer to www.metamark.co.uk for application guidelines.

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-R is MetaGuard 300. For all other laminates the user should determine suitability.

Face Film

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

Adhesive

Type	MD3-R-200 Removable clear solvent-free acrylic. MD3-R-301M Removable clear solvent-based acrylic.
Weight	12gsm nominal
Adhesion to glass 20 mins	5N/25mm nominal
Adhesion to glass 24 hour	8N/25mm nominal
Perceived tack	Medium
Application temperature	+10°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 with PE coating

Finishes

Finishes Available	MD3-R-200 MD3-R-301M	White Gloss White Matt
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Roll Presentation

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

Durability

Shelf Life	1 year
External weathering	1 year. Removable up to 6 months. This refers to the unprinted vinyl when installed. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Class B. BS EN 13501-1:2007
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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