# Metamark MD5-A

**High Performance Digital Vinyl with MetaScape® Adhesive**

## Product Description

Metamark MD5-A features the MetaScape® adhesive system, offering ease of application by providing air with an exit route from under the graphic. It makes for faster, trouble free application of larger graphics onto smooth flat or slightly curved surfaces. The graphic may be repositioned during application. The 70 micron film with Metamark's distinctive coating technology produces outstanding print performance using solvent inks. UK Manufactured.

## Features & Benefits

- Carbon Neutral Product[1].
- For Solvent, Eco Solvent, Latex and UV printing.
- MetaScape® Adhesive System allowing ease of application.
- 7 year durability and MetaSure Warranty.
- MetaStream Ready™ – can be recycled in our closed loop recycling scheme.
- Printer manufacturer specified reference media.
- MD Series for best in class print quality & wide colour gamut.

[1] This product has been carbon offset from cradle to first customer plus end of life. See website for details.

### Face Film

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| Face Film | Polymeric Calendered Vinyl |
| Gauge (ISO 2286-3) | 70 micron nominal |
| Tensile Strength | 47N/25mm MD / 43N/25mm TD nom. |
| Elongation at break | 180% MD nominal |

### Adhesive

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|---|---|
| Type | MetaScape® permanent solvent-based acrylic with air channels. |
| Adhesion to glass 20 mins | 15N/25mm nominal |
| Adhesion to glass 24 hour | 20N/25mm nominal |
| Application temperature | +10°C to +60°C |
| Service temperature | -30°C to +110°C |

### Release Liner

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| Print | MetaScape® print |
| Weight | 140 gsm nominal |
| Type | Structured Layflat kraft paper with PE coating |

### Finishes

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| Finishes Available | MD5A | White Gloss |
| | MD5A-105 | Clear Gloss |

### Roll Presentation

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| Roll Widths | 0.76m / 1.37m / 1.60m |
| Roll Lengths | 50m / 25m |

### Durability

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|---|---|
| Shelf Life | 2 years. (10-20°C and 50% R.H). |
| External weathering | 7 years (unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide. |
| Fire Rating | Class B - BS EN 13501-1:2018 |
| Dimensional Stability | <0.3mm (48h at 70°C on aluminium) |
| Chemical Resistance | Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel, gasoline, paraffin, hydraulic oil, antifreeze. |
| Regulations | REACH and RoHS Compliant. |

## Printing and Handling

- Always perform a test print first. Ensure that the correct profiles and heater settings are used. Refer to 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, ensure free from dust and static.
- Overlamination is recommended to prevent abrasion, extends colour fastness, and also offers easier handling.
- The matched laminate for MD5-A is MetaGuard MG-700 Series.

## Application

- Allow a minimum of 24-48 hours for the solvents to dry off before application of the overlaminate, or to the substrate, depending on the print and drying conditions this can often be in excess of 48 hours. Retained solvents will reduce adhesion levels.
- Not recommended for use on low energy surfaces such as polypropylene.
- Apply unstressed, in particular to curves and recesses. It is not suitable for application over rivets or complex recesses.
- Suitable for dry application only.
- The user should determine suitability of substrate.

MetaStream Ready™
Film and Liner may be recycled in our closed loop recycling scheme.

Carbon neutral Product
ClimatePartner.com/18195-2301-1001

### MetaSure® Warranty

Metamark (UK) Limited warrants to its customers that graphics produced using Metamark Media and Overlaminates 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 Media and Overlaminates 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. 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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