

# Metamark MD3-B

Intermediate Grade Blockout Vinyl



## Product Description

The white face film is supplied with a grey pigmented solvent-based adhesive to provide increased opacity, and with Metamark's distinctive coating technology producing outstanding print performance. MD3-B is 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](http://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.
- The matched laminate for MD3-B 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.
- 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](http://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 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  | 'Metamark Digital Vinyl' blue print |
| Weight | 140 gsm nominal                     |
| Type   | Layflat kraft paper with PE coating |

## Finishes

|                    |       |             |
|--------------------|-------|-------------|
| Finishes Available | MD3-B | White 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.   |
| 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.

## 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](mailto:sales@metamark.co.uk)

[www.metamark.co.uk](http://www.metamark.co.uk)