

# 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](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.

## 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 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](http://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                      | Removable clear solvent-free 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 | White Gloss |
|--------------------|-----------|-------------|

## Roll Presentation

|                            |                                     |      |
|----------------------------|-------------------------------------|------|
| Roll sizes and net weights | 760mm x 50m                         | 11kg |
|                            | 1370mm x 50m                        | 20kg |
|                            | 1520mm x 50m                        | 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. REACH and RoHS compliant |
| Regulations         |   |

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