

# MetaCast® MDC-B

## Cast Digital Wrap Film



### Product Description

MetaCast® MDC-B is a premium cast digital film, offering wrap professionals the ultimate performance for full vehicle wraps. The permanent adhesive with full coverage is suited to applications demanding maximum bond, such as deep channels, 3D and recesses and low energy waterbased paint systems. It is backed by the MetaSure 10 year warranty. Metamark MD Series class digital films are engineered to ensure outstanding print quality, colour gamut, and out of the box printer compatibility, through the range of ICC profiles available. MetaGuard MGC is a 40 micron matched Overlamine.

### Features

- Premium Cast Film for 3D wraps, deep channels & recesses.
- Full coverage permanent adhesive.
- For Solvent, Eco Solvent, Latex and UV printing.
- Matched MetaGuard MGC Overlamine.

### Benefits

- 10 year durability and MetaSure Warranty.
- Maximum bond in deep channels and on low energy paints.
- MD Series for best in class print quality & wide colour gamut.
- Engineered to give long term dimensional stability.

### Face Film

Face Film	Cast Vinyl
Gauge (ISO 2286-3)	50 micron nominal
Elongation at break	190% MD nominal

### Adhesive

Type	Grey Solvent-Based Adhesive.
Adhesion to glass 20 mins	14N/25mm nominal
Adhesion to glass 24 hour	16N/25mm nominal
Application temperature	+5°C to +40°C
Service temperature	-30°C to +110°C

### Release Liner

Print	Metamark print
Weight	140 gsm nominal
Type	PE layflat

### Finishes

Finishes Available	MDC-B-100	White Gloss
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### Roll Presentation

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

### Durability

Shelf Life	2 years. (10-20°C and 50% R.H).
External weathering	10 years (Unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide.
Fire Rating	Self-extinguishing.
Chemical Resistance	Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel, gasoline, paraffin, hydraulic oil.

### Printing and Handling

- For use with Solvent, Eco Solvent, UV and Latex inkjet printers.
- Always perform a test print first.
- Ensure that the correct profiles and heater settings are used. Refer to [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, ensure free from dust and static.
- Overlamination is recommended to prevent abrasion, extends colour fastness, and also offers easier handling.
- The matched laminate for MDC-B is MetaGuard MGC.

### Application

- Allow a minimum of 24-48 hours for the solvents to dry off before application of the overlamine, or to the vehicle, depending on the print and drying conditions this can often be in excess of 48 hours. Retained solvents will reduce adhesion levels
- Successful vehicle wrap application requires the necessary techniques. Refer to [www.metamark.co.uk](http://www.metamark.co.uk) for application guidelines.
- The product is designed to be used with a dry application, apply 55-65°C heat to soften the film and allow conformability and after application superheat the film into recesses at 90-95°C. Do not overstretch as this will cause the application to fail.
- The user should determine suitability of substrate.

### 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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