MetaCast® MDC XR™

Cast Printable Vehicle Wrap Film with XR™ Adhesive System

Product Description

MetaCast® MDC XR™ premium cast printable wrap film. Our advanced XR™ adhesive system offers optimised repositionability and adhesion to accelerate installation. MetaCast® MDC XR™ gives total confidence when fitting into 3D channels and recesses whilst delivering exceptional print results and vibrancy for impactful branding solutions. For Solvent, Eco Solvent, Latex and UV printing, and matched to MetaGuard MGC Overlaminate Series. MetaSure up to 10 year Warranty.

Features & Benefits

- Premium Cast Film for 3D wraps, deep channels & recesses.
- MetaGlide® micro channel air release adhesive.
- XR™ adhesive system for optimised repositionability and adhesion.
- For Solvent, Eco Solvent, Latex and UV printing.
- Matched MetaGuard MGC Overlaminate Series.
- MetaStream Ready™.
- MD Series for best in class print quality & wide colour gamut.
- Engineered to give long term dimensional stability.
- Up to 10 year durability and MetaSure Warranty.

Face Film

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

Adhesive

Type	MetaGlide® XR™ Grey Solvent-Based Adhesive.
Adhesion to glass 20 mins	11N/25mm nominal
Adhesion to glass 24 hour	15N/25mm nominal
Application temperature	+10°C to +40°C
Service temperature	-20°C to +100°C

Release Liner

Print	MetaGlide® print
Weight	140 gsm nominal
Type	Structured micro channel PE layflat

Finishes

Finishes Available	MDC-XR	Gloss

Roll Presentation

Roll Widths	1.37m / 1.60m
Roll Lengths	50m

Durability

Shelf Life	2 years. (10-20°C and 50% R.H).
External weathering	Up to 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, antifreeze.

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.
- 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.
- Allow the inks to cure before overlaminating, Allow a minimum of 48 hours for the solvents to out-gas before overlaminating and before application to the vehicle. Solid, saturated dark colours can require in excess of 48 hours.
- The matched laminate for MDC is MetaGuard MGC Series.

Application

- Allow a minimum of 48 hours for the solvents to out-gas before overlaminating and before application to the vehicle. Retained solvents, drying conditions and colour saturation can significantly reduce adhesion. Solid, saturated dark colours can require in excess of 48 hours.
- Successful vehicle wrap application requires the necessary techniques. Refer to 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

MetaStream Ready™

Film and Liner may be recycled in our recycling scheme.

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. E&OE. 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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