

# MetaWrap MDX-H

Cylinder Cast Digital Wrapping Media with High Tack Blockout MetaScape System



## Product Description

MetaWrap™ MDX-H is a 50 micron ultra-conformable digital wrapping media, with a grey high tack MetaScape® air release adhesive. The product is suitable for low energy plastics and hard to stick to surfaces, including vehicle mouldings. The soft film has been developed to flow and conform over the most challenging surfaces so it's ideal for total vehicle wraps. The film offers high levels of dimensional stability and brilliant colour reproduction on Solvent, Eco Solvent and Latex printers. Not suitable for silicon or rubber trim.

## Features & Benefits

- Cylinder Cast Film for 3D wraps, channels & recesses.
- High Tack, MetaScape® air release adhesive.
- For Solvent, Eco Solvent, Latex and UV printing.
- Matched MetaGuard MGX Overlamine.
- MetaStream Ready™ – can be recycled in our closed loop recycling scheme.
- MD Series for best in class print quality & wide colour gamut.
- Engineered to give long term dimensional stability.

### Face Film

Face Film	Cylinder Cast Vinyl
Gauge (ISO 2286-3)	50 micron nominal
Elongation at break	180% MD nominal

### Adhesive

Type	MetaScape® High Tack Permanent Grey Solvent-Based Adhesive.	
Adhesion Glass	20 min	22 N/25mm nominal
	24 hour	28 N/25mm nominal
Application temperature	+10°C to +40°C	
Service temperature	-30°C to +110°C	

### Release Liner

Print	MetaScape print
Weight	140 gsm nominal
Type	Structured layflat Kraft with PE Coating

### Finishes

Finishes Available	MD-X-100-H	White Gloss
--------------------	------------	-------------

### Roll Presentation

Roll Widths	01.37m
Roll Lengths	50m

### Durability

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. Self-extinguishing.
Fire Rating	Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel, gasoline, paraffin, hydraulic oil, antifreeze.
Chemical Resistance	

## 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.
- 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 MDX-100-H is MetaGuard MGX.

## 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](http://www.metamark.co.uk) for application guidelines.
- The product is designed to be used with a dry application, apply 65-75°C heat to soften the film and allow conformability and after application superheat the film into recesses at 100-105°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 closed loop 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. 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

☐ Metamark House • Genesis Business Park • Albert Drive • Woking • GU21 5RW • Tel +44 (0)1483 571111

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

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