

# MetaGrab® MDU

High Performance Digital Media with Ultra Tack Adhesive



## Product Description

Metamark MDU Series is a high performing film with MetaGrab® adhesive system. With a ultra high tack it offers an ideal solution for sealed block and brick, and rough, textured, and difficult to stick to surfaces. Applications include walls and floor décor. It is also suitable for textured low energy plastics. Metamark MDU is compatible with Solvent, Eco Solvent, Latex and UV printers. The 100 micron film is offered in white matt, and the unprinted film is durable up to 7 years outdoor.

## Features & Benefits

- MetaGrab® Ultra Tack adhesive.
- 100 micron Polymeric Film.
- For difficult to adhere to surfaces including sealed brick, block, walls and floors.
- Solvent, Eco Solvent, Latex and UV Compatible.
- Matched laminate is MetaGuard X.
- Up to 7 years external durability unprinted.

Face Film		Finishes	
Face Film	Polymeric Calendered Vinyl	Finishes Available	MDU-01MB White Matt
Gauge (ISO 2286-3)	100 micron nominal	<b>Roll Presentation</b>	
Tensile Strength	47N/25mm MD / 43N/25mm TD nom.	Roll Widths	1.37m / 1.60m
Elongation at break	180% MD nominal	Roll Lengths	50m
Adhesive		Durability	
Type	Ultra tack permanent grey solvent-based acrylic	Shelf Life	2 years. (10-20°C and 50% R.H).
Adhesion Glass	20 min 21 N/25mm nominal 24 hour 22N/25mm nominal	External weathering	7 years (Unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide.
Adhesion Steel (Stainless)	20 min 15 N/25mm nominal 24 hour 26 N/25mm nominal	Fire Rating	Self Extinguishing
Application temperature	+10°C to +50°C	Chemical Resistance	Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel, gasoline, paraffin, hydraulic oil, antifreeze.
Service temperature	-30°C to +100°C	Regulations	REACH and RoHS Compliant.
Release Liner			
Print	'Metamark Digital Vinyl' grey print		
Weight	140 gsm nominal		
Type	Layflat kraft with PE coating		

## Printing and Handling

- 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 MDU is MetaGuard MG-X Series.

## Application

- Allow a minimum of 24-48 hours for the solvents to dry off before application of the overlamine, or to the substrate, depending on the print and drying conditions this can often be in excess of 48 hours. Retained solvents will reduce adhesion levels.
- Use gentle heat to allow conformability.
- Do not overstretch as this will cause the application to fail.
- Suitable for wet or dry application.
- 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.

## Metamark (UK) Limited

- Lunsdale • 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)