Metamark MD5-AH

High Performance Digital Vinyl with High Tack MetaScape® System

Product Description

The high tack adhesive of MD5-AH has been developed to apply to 'difficult to stick to' surfaces, smooth low energy plastics such as PE and PP, and for interior wall décor applicatons1. With the added benefit of our MetaScape® adhesive system, offering faster and easier application by providing air with an exit route from under the graphic. MD5A-H delivers outstanding print performance through the combination of Metamark's distinctive coating technology, and high performance grade polymeric calendered film. (1 For use on smooth, sealed interior walls – refer to the Wallcoverings application guide.) UK Manufactured.

Features & Benefits

- For Solvent, Eco Solvent, Latex and UV printing.
- MetaScape Adhesives System allowing ease of application.
- High tack adhesive for hard to adhere to surfaces.
- 7 year durability and MetaSure Warranty.
- 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	Polymeric Calendered Vinyl
Gauge (ISO 2286-3)	70 micron nominal
Tensile Strength	47N/25mm MD / 43N/25mm TD nom.
Elongation at break	180% MD nominal

Adhesive

Type		High tack MetaScape® permanent solvent-based acrylic with air channels.
Adhesion LDPE		20 min 5N/25mm nominal
	24 hour	15 N/25mm nominal
Adhesion Steel	20 min	22 N/25mm nominal
	24 hour	28 N/25mm nominal
Adhesion Glass	20 min	22 N/25mm nominal
	24 hour	28 N/25mm nominal
Application temperature		+10°C to +60°C
Service temperature		-30°C to +110°C

Release Liner

Print	MetaScape® print
Weight	140 gsm nominal
Type	Structured Layflat kraft paper with PE coating

Finishes

Finishes Available	MD5-AH	White Gloss

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	7 years (unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide.
Fire Rating	Class B - BS EN 13501-1:2018
Dimensional Stability	<0.3mm (48h at 70°C on aluminium)
Chemical Resistance	Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel, gasoline, paraffin, hydraulic oil, antifreeze.
Regulations	REACH and RoHS Compliant.

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.
- 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 MD5-A is MetaGuard MG-700 Series.

Application

- Allow a minimum of 24-48 hours for the solvents to dry off before application of the overlaminate, 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.
- Not recommended for use on low energy surfaces such as polypropylene.
- Apply unstressed, in particular to curves and recesses. It is not suitable for application over rivets or complex recesses.
- Suitable for dry application only.
- 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.

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