

Metamark MD5A-H

High Performance Digital Vinyl with High Tack 'MetaScope' System



Product Description

The high tack adhesive of MD5A-H 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 applications¹. With the added benefit of the 'MetaScope' 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.)

Printing and Handling

- Suitable for use on Solvent, Eco Solvent, Latex and U.V. inkjet printers. Always perform a test print first.
- Ensure that the correct profiles and heater settings are used. Most profiles are available for download from 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 directly and ensure it is free from dust and static.

Application

- Allow the inks to cure before cutting flush to the print. This is usually 24-48 hours. (Not applicable to Latex prints)
- Apply unstressed, in particular to curves and recesses. It is not suitable for application over rivets or complex recesses.
- Suitable for wet application. Always apply dry into recesses, and where the print is cut flush, to ensure best adhesion.
- The user should determine suitability of substrate.

Overlaminating

- Overlaminating is recommended to prevent abrasion and to extend colour fastness.
- Allow the inks to cure before overlaminating, this is usually 24-48 hours.
- The matched laminate for MD5A-H is MetaGuard 700. For all other laminates the user should determine suitability.

Face Film

Face Film	Polymeric calendered PVC
Gauge	70 micron nominal
Tensile Strength	47N/25mm MD / 43N/25mm TD nom.
Elongation at break	180% MD nominal

Adhesive

Type	High tack 'MetaScope' permanent solvent-based acrylic with air channels.
Weight	23gsm nominal
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
Perceived tack	High
Application temperature	+5°C to +60°C
Service temperature	-30°C to +110°C

Finishes

Finishes Available	MD5A-H-100 White Gloss
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Roll Presentation

Roll sizes and net weights	1370mm x 50m	20kg
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Release Liner

Print	'MetaScope' print
Weight	140 gsm nominal
Type	Structured Layflat kraft paper with PE coating

Durability

Shelf Life	2 years
External weathering	7 years. This refers to the unprinted vinyl. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Class B. BS EN 13501-1:2007
Dimensional Stability	<0.3mm (48h at 70°C on aluminium)
Chemical Resistance	Unprinted film resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali, eg. diesel oil, gasoline, paraffin, hydraulic oil, antifreeze. REACH and RoHS compliant
Regulations	

Warranty: Metamark (UK) Limited warrants to its customers that graphics produced using Metamark Digital Media 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 DigitalVinyl 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. **Please Note:** The above data is given in good faith to provide an indication of the performance of

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