

Metamark MD5-H

High Performance Digital Vinyl with High Tack Adhesive



Product Description

The high tack adhesive of MD5-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. The product gives the additional assurance of the high bond adhesive with the MD5 series film. MD5-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 MD5-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 permanent clear solvent-based acrylic
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	MD5-H-100	White Gloss
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Roll Presentation

Roll sizes and net weights	760mm x 50m	11kg
	1370mm x 50m	20kg
	1520mm x 50m	22kg

Release Liner

Print	'Metamark Digital Vinyl' grey print
Weight	140 gsm nominal
Type	Layflat kraft 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.
Regulations	REACH and RoHS compliant

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