

# Metamark MDP-H

100 micron High Tack Vinyl



## Product Description

MDP-H has a high tack adhesive to solve the problem of adhesion onto smooth low energy surfaces, such as Polypropylene, Polyethylene and ABS, as well as for durable graphics on extreme sports equipment. The 100 micron film makes it suitable for print and cut labels and easy application.

## Handling and Printing Guidelines

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

## 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 MDP-H is MetaGuard 305 or 302. For all other laminates the user should determine suitability.

## Application

- Allow the inks to cure before cutting or overlaminating, usually 24-48 hours. Perform cut path as separate operation to avoid edge curl.
- Not recommended for heavily textured surfaces. The user should determine suitability of substrate, refer to the web site.
- Refer to [www.metamark.co.uk](http://www.metamark.co.uk) for application guidelines.

## Face Film

Face Film:	Monomeric calendered PVC
Gauge:	100 micron nominal
Tensile Strength	60N/25mm MD / 52N/25mm TD nom.
Elongation at break	180% MD nominal

## Adhesive

Type	High-tack perm. 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	-5°C to +100°C

## Release Liner

Weight	140 gsm nominal
Type	Kraft paper

## Finishes

Finishes Available	MDP-H-200	White Gloss
	MDP-H-301M	White Matt

## Roll Presentation

Roll sizes and net weights	760mm x 50m	11kg
	1370mm x 50m	20kg
	1600mm x 50m	23kg
Presentation	Face film outwards, on a 76mm core.	

## Durability

Shelf Life	1 year
Fire Rating	Self-extinguishing. The fire rating is a function of the substrate.
External weathering	4 years. This refers to the unprinted vinyl when installed. Refer to ink manufacturer for durability of the finished product.
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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## Metamark (UK) Limited

○ Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140 • Fax +44 (0)1524 387147

○ Metamark House • Octimum Business Park • Forsyth Road • Woking • GU21 5SF • Tel +44 (0)1483 571111 • Fax +44 (0)1483 570540

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

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