

Product Description

Metamark MD5 is a high performance grade polymeric calendered self-adhesive vinyl for printers using solvent inks. The high quality film, release paper and adhesive, combined with Metamark's distinctive coating technology provides outstanding print performance. MD5 is supplied with a solvent-based adhesive.

Typical Applications

MD5 can be used for interior and exterior application onto flat or slightly curved surfaces, such as vehicle graphics, retail signage and window graphics. The solvent-based adhesive eliminates problems of milky residue during wet application.

Material Processing and Handling

To achieve the highest possible print quality please ensure that the correct profile is used. Most profiles are available and can be downloaded from www.metamark.co.uk. To avoid potential printing problems, always ensure that the material has reached room temperature and a relative humidity of 50% before printing. It is imperative that the printer is set up correctly and that the correct profile and heater settings are used. Do not handle the face film directly and ensure it is free from dust and static. For a comprehensive list of printers compatible with MD5 Digital Vinyl refer to the website. Solvents from the printing process may initially cause the vinyl to soften and may initially reduce the strength of the adhesive, so after printing, leave 24 hours before applying the material and for the adhesive to regain full strength.

Face Film

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

Adhesive

Type	Permanent clear pressure sensitive solvent-based acrylic
Weight	22gsm nominal
Adhesion to glass 20 mins	15N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Perceived tack	Medium
Shear strength	Medium to high
Application temperature	+5°C to +60°C
Service temperature	-30°C to +110°C

Release Liner

Print	'Metamark Digital Vinyl' grey print
Weight	140 gsm nominal
Type	Advanced specially treated layflat kraft paper with high internal strength and PE coating

Finishes

Finishes Available	MD5-100	White Gloss
	MD5-101	White Matt
	MD5-105	Clear Gloss

Roll Presentation

Roll sizes and net weights	760mm x 50m	11kg
	1370mm x 50m	20kg
	1520mm x 50m	22kg
Presentation	Face film outwards, on a 76mm core.	

Durability

Shelf Life	2 years
External weathering	7 years. *This refers to the unprinted vinyl when installed. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Class B. Classification compliant with BS EN 13501-1:2007 European standard. The full classification is 'B / s2 / d0'. Only applies when applied to substrates of a density greater than or the same as plasterboard, 800kg/m ³ . See web site for further information

MD: Machine direction, TD: Transverse direction

Warranty: Metamark (UK) Limited warrants to its customers that graphics produced using Metamark Digital Vinyl 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 Digital Vinyl 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 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.