

Metamark MD-PL

Photoluminescent



Product Description

MD-PL is a glow in the dark self adhesive film ideal for low light internal safety signage. Used for safety, promotional & general signage it is printable using digital eco-solvent, UV and screen printing technologies. The luminescent pigment stores light from natural and artificial sources and offers long term durability.

Features & Benefits

- 270 micron Soft vinyl film
- Printable with Eco Solvent, UV and Screenprint inks
- Suitable for plotter cutting
- Stores light from daylight and electrical lights

Face Film

Type	Soft Vinyl
Gauge	270 micron nominal
Weight	365gsm nominal
Luminance (DIN67510) after 10min	99 mcd/m ² nominal
Luminance (DIN67510) after 30min	30 mcd/m ² nominal
Luminance (DIN67510) after 60min	14 mcd/m ² nominal
Time to decay to 0.3 mcd/m ²	1500 minutes
Brightness (DIN67510) @1 min	1128 mcd/m ² nominal

Adhesive

Type	Permanent clear acrylic
Adhesion to glass 20 mins	12N/25mm nominal
Adhesion to glass 24 hour	15N/25mm nominal
Application temperature	+10°C to +40°C
Service temperature	-30°C to +110°C

Release Liner

Print	Plain
Weight	140 gsm nominal
Type	Two sided PE Kraft

Roll Presentation

Roll Widths	1.0m
Roll Lengths	Available by the meter
Presentation	Face film outwards

Durability

Shelf Life	2 years (20-24°C and 50% R.H).
Durability	5 years internal use
Fire Rating	Self-extinguishing. The fire rating is a function of the substrate.
Luminosity	PSPA Class B
Storage	Store in original packaging, do not expose to direct sunlight or heat sources.

Handling and Printing

- 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.
- The product is designed to be used without overlaminating.
- Do not stack prints until fully cured.
- Allow the inks to cure before use, this is nominally 24-48 hours but dependant on the inks.
- The durability of the finished print is dependent on the inks and printer.

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.

Metamark (UK) Limited

- Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140
- Metamark House • Genesis Business Park • Albert Drive • Woking • GU21 5RW • Tel +44 (0)1483 571111

sales@metamark.co.uk
www.metamark.co.uk