

MetaGuard 700

High Performance Calendered PVC Overlamine



Product Description

Metaguard 700 is a 70 micron polymeric calendered self-adhesive vinyl overlamine with UV inhibitors, suitable for lamination of interior or exterior applications. Overlaminating with MetaGuard 700 provides increased resistance to abrasion and durability of the print. When applied over Metamark MD5 digital print media the products provide a matched system. It can be applied over flat or semi-curved surfaces and has a solvent-based adhesive that eliminates problems during wet application.

Material Handling

- This product is suitable for cold lamination using a laminator.
- Ensure that the material has reached room temperature and a relative humidity of 50% before use.

Overlaminating

- Suitable for use on Solvent, Eco Solvent inkjet and Latex prints on Metamark print media. Not suitable for UV prints.
- The product is matched to Metamark MD5. Matched laminates prevent tunnelling and delamination.
- Allow the inks to cure before overlaminating, usually 24-48 hours (Not applicable to Latex prints). Failure to do so can cause delamination, tunnelling and shrinkage.
- Apply around 30°C on the top roller to prevent silvering of the adhesive.
- Refer to www.metamark.co.uk for further application guidelines.
- The user should determine suitability of the overlamine to the print media.

Face Film

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| 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

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| Type | Permanent clear pressure sensitive solvent-based acrylic with UV inhibitors |
| 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

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| Print | 'Metamark Digital Vinyl' grey print |
| Weight | 140 gsm nominal |
| Type | Kraft paper with high internal strength and PE coating |

Finishes

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| Finish Available | MG-705 | Gloss |
| | MG-703 | Satin |
| | MG-702 | Matt |

Roll Presentation

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| Roll sizes and net weights | 760mm x 50m 1050mm x 50m (MG702&703 Export Only) 1360mm x 50m (MG-705 only) 1370mm x 50m 1520mm x 50m 1600mm x 50m |
| Presentation | Laminate outwards, on a 76mm core. |

Durability

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| Shelf Life | 2 years |
| External weathering | 7 years. This refers to the overlamine and not the protection that it gives the printed image. |
| Fire Rating | Class B. Classification compliant with BS EN 13501-1:2007 |
| Dimensional Stability | <0.3mm (48h at 70°C on aluminium) |
| Chemical Resistance | The unprinted film is resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali for e.g. diesel oil, gasoline, paraffin, hydraulic oil, antifreeze, soap suds, etc. |
| Regulations | REACH and RoHS compliant |

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