

# MetaGuard 850

Anti Graffiti PVDF Overlaminates



## Product Description

MetaGuard 850 is a 50 micron clear gloss PVDF self-adhesive overlaminates that provides maximum protection against graffiti and chemicals. Graffiti can be cleaned away without any damage to the film. The product offers a very high level of UV protection to prolong the life of the print, and a high level of resistance to weathering. It is supplied with a solvent-based adhesive for trouble free application. The 50 micron PVDF film provides a thin lamination over the print and can be applied onto flat or slightly curved surfaces.

## Material Handling

- Ensure that the material has reached room temperature and a relative humidity of 50% before use.

## Overlaminating

- Suitable for use on Solvent, Eco Solvent and Latex inkjet prints on Metamark print media. Not suitable for UV prints.
- 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.
- This product is suitable for cold lamination using a laminator. Apply around 30°C on the top roller to prevent silvering of the adhesive.
- Refer to [www.metamark.co.uk](http://www.metamark.co.uk) for further application guidelines.
- The user should determine suitability of the overlaminates to the print media.

## Cleaning

Always remove graffiti as soon as possible from the film. Use the least aggressive cleaner possible. Initially try low pressure washing using warm soapy water followed by a rinse. Isopropyl alcohol and Petroleum Distillates such as Kerosene can also be used. Do not use any abrasive cleaning tools, abrasive cleaners, Caustic cleaners or Ketones such as Acetones, MEK etc. All these will damage the film. Refer to the Product Information Bulletin [MetaGuard 850 PIB](#) for full cleaning information.

## Face Film

Face film	PVDF (Polyvinylidene Fluoride)
Gauge	50 micron nominal
Tensile strength	1.8kg/cm
Elongation at break	80%

## Adhesive

Type	Permanent clear pressure sensitive solvent-based acrylic with UV inhibitors
Initial Adhesion	0.6 kg/cm (PSTC-1)
Perceived tack	Medium to high
Application temperature	+16°C to +32°C
Service temperature	-40°C to +107°C

## Release Liner

Thickness	145gsm nominal
Type	PE coated kraft

## Finishes

Finish Available	MG-850	Clear Gloss
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## Roll Presentation

Roll sizes	1220mm x 50m 1370mm x 50m
Presentation	Laminates outwards, on a 76mm core.

## Durability

Shelf Life	2 years
External weathering	10 years. This refers to the overlaminates and not the protection that it gives the printed image.
Fire Rating	BS 6853:1999 Cat1a&b (Passenger Rail) EN ISO 5659-2 (Goods Rail Vehicles) ISO 5658-2 (Goods Rail Vehicles)
Regulations	REACH compliant

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