

Metamark MD-CV100

Clear Vision (Perforated One-Way Film)



Product Description

Metamark MD-CV100 is a perforated one-way vision film, supplied on a multi-layer release liner to offer improved print performance on Solvent, Eco Solvent, Latex and UV printers. It has 40% open area and 1.6mm perforations. It is suitable for advertising applications on vehicles and buildings, maintaining visibility from the inside. The black/white laminate has a clear adhesive to maintain full visibility through the holes and to ensure clean removal up to 6 months after application (Not recommended for application to polycarbonate). It can be applied on lightly curved surfaces like some rear windows of cars but it is not aimed to be deformed in 3D. Overlaminating is recommended to maintain visibility in wet weather.

Material Handling

- 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.

Printing and Overlaminating

- Suitable for use on Solvent, Eco Solvent, UV and Latex 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.
- Allow 24-48 hours after printing and before application or overlaminating.
- Apply the overlaminate before applying to the window. Apply the product dry to the window. Ensure the laminate overlaps the Clear Vision (Recommended overlap 10mm).
- On flat glass use MetaGuard 620 optically clear laminate. On glass with double curvature use MetaGuard 670 cast laminate.

Notes:

- Overlaminating can cause optical imperfections due to the uneven entrapment of air under the film, which is unavoidable.
- Extra care should be taken when applying to cold glass where initial tack will be low, and where the film is heavily printed, as retained solvents from the printing process affect the media.
- With joins the best finish is achieved by butt joining panels, overlapping is not recommended. A spliced finish can be achieved by running a blade through the two layers of overlap, before removing the excess to form a clean butt join.
- There has to be a gap between the end of the film and the surrounding of the window. Never apply the film onto the sealing. Application to the window frame may cause the self-adhesive film to become detached. Leave a distance of at least 5 mm to the window frame.
- On vehicles do not apply to the front side windows or windscreen. Refer to the legislation in the country in which it is being used before installation. In the UK, Road Vehicle Regulation 33 states that if visibility is restricted to the rear mirror then two side mirrors must be correctly fitted and functional. In so far as the product is interpreted as window tinting film then it is covered by Regulation 32, whereby the rear side and rear windows are exempt under ECE Directive.

Face Film

Face Film	Calandered Monomeric PVC
Gauge	140 micron nominal
Perforation size	1.6mm hole, 40% Open Area
Dimensional stability	Good

Adhesive

Type	Removable solvent based acrylic. Can be removed cleanly for up to 6 months.
Weight	22gsm nominal
Adhesion to glass 8 mins	9.80N/50mm nominal
Adhesion to glass 24 hour	11.85N/50mm nominal
Application temperature	+15°C to +40°C

Release Liner

Weight	150gsm PE Coated Multi - Layer Kraft
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Finishes

Finish Available	MD-CV100
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Roll Presentation

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

Durability

Shelf Life	1 year
External weathering	1 year unprinted. Refer to ink manufacturer for durability of the finished product.
Regulations	REACH compliant

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