

Cast Vinyl

For the most demanding applications a Cast Vinyl, such as the Metamark MDC Digital Vehicle Wrap, is recommended, being softer and thinner than calendered films. Unlike calendered vinyl, cast vinyl does not have memory and is therefore dimensionally stable and will show virtually no shrinkage if properly applied. Cast vinyls are highly conformable and can be laid over rivets or curved surfaces and compound curves such as door handle indentations. Cast films can be heated to soften though care should be taken not to burn the film.

Calendered Vinyl

Sign vinyls can be one of a number of constructions, each one being suitable for suitable applications. Calendered vinyls are recommended for interior and most exterior applications onto vehicles, buildings and for commercial graphics.

Monomeric Calendered or Intermediate Performance vinyls, like Metamark MD3, and 4 Series, have the simplest construction, and are suitable for short term application to flat surfaces or those with a simple curve, although they may show some shrinkage over time.

Polymeric Calendered or High Performance vinyl such as Metamark MD5, and 7 Series are recommended for medium term graphics as they are more dimensionally stable and can be applied to flat or curved surfaces. Shrinkage will be minimal.

Polyester Film

Polyester is used as the face film for polish effect materials, some overlaminates, and window tinting films, as they achieve a high gloss finish. Polyesters are non-conformable, do not stretch and should not be applied to compound curves. They are only able to achieve a low adhesion on textured surfaces.

Adhesive Types

All Metamark vinyls use a pressure sensitive adhesive. The final bond strength will be formed after 3 to 5 days, depending upon the particular adhesive used and the ambient temperature, so care should be taken with any graphics during the first few days following installation.

Most Metamark vinyls are supplied with solvent-based acrylic adhesives, which allow trouble free 'wet' application. For any product with a water-based (solvent free or emulsion) adhesive, care should be taken when wet applying. In these instances use no more than a fine mist of application fluid and expel any fluid immediately to avoid the adhesive turning milky.

The adhesive system is free from chloride.

For further technical support email technical@metamark.co.uk or call +44 (0)1483 571111

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