

Product Bulletin

METROMARK[®] - Transit Graphics Vinyl

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A 3.5-mil matte white flexible polymeric opaque vinyl film coated with 200-4996 removable acrylic pressure-sensitive adhesive on a 90# layflat liner with the MetroMark[™] logo. This film is designed to accept a variety of UV curable and solvent-based inks and is available topcoated for use with offset, letterpress and enamel inks.

Applications

Temporary product markings, temporary point of purchase decals, temporary transportation advertising systems and tri-vision indoor/outdoor billboard displays.

Product Variations

This product is available top coated for improved adhesion of enamel, flexographic, offset, and letterpress ink systems.

Temperature Ranges

Minimum application temperature is +40°F.
Service temperature is -40°F to +180°F.

Expected Exterior Exposure

Removable for up to one year from most smooth original equipment finishes with little or no residue remaining on the finish.

Substrate Recommendation

MetroMark[™] films are designed for use on smooth, flat substrates. The product should not be applied over rivets or corrugated surfaces. Gaps between two panels must be sealed before applying MetroMark[™] Vinyl. Up to three layers may be applied provided the original MetroMark[®] signage has been applied six months or less. If layering, must test adhesion of top decal to the printed surface. Some inks and clear over-prints contain slip agents that may reduce adhesion.

Substrate Protection

MetroMark[™] will not damage the painted surface on stable OEM or repainted motor coach surfaces.

Note: Stable paint surface is defined as a positive paint bond between paint and paint receptive surface of at least 320 ounces per inch peel adhesion.

Printing Methods

Screen Process, Flexographic, Offset, Electrostatic, Letterpress, Solvent Ink Jet, UV Ink Jet systems can be used to decorate MetroMark[™] Vinyl. Topcoating may be required for certain ink chemistries. Test compatibility with MetroMark[™] Vinyl prior to production.

Humidity Resistance

Excellent.



***Manufacturer of Pressure Sensitive Films,
Traffic Graffic Floor Advertising Films,
Custom Coatings and Printing Inks.***

309 S. Union • P.O. Box 158 • Sparta, Michigan 49345 • (616) 887-7387 • (800)253-3664 • FAX (616)887-0537
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Solvent Resistance Excellent.

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Thickness White Opaque Vinyl Film 3.5 mils.
Removable Acrylic Adhesive 0.8 to 1.0 mil.
90# Layflat Release Liner 6.7 mils.
(Thickness variation +/- 10%)

Dimensional Stability
% Change MD: less than 0.50.
24 Hrs on aluminum @ 150 F CD: less than 0.50.

Elongation (% to Break)
ASTM D-882 MD: 110 +/-50.
CD: 250 +/-75.

Tensile Strength
ASTM D-882 MD: 4000 +/-500
psi to break CD: 3500 +/-500

Minimum Expected Shear
PSTC-7 @ 4 psi
Room Temperature 1 hour

Adhesion Properties: Average (Oz/ Inch Width)

PSTC-1	Stainless Steel	12
24 Hr Dwell	Painted Metal**	12
Room Temperature	Glass	8

** OEM Basecoat – Clear coat system

Storage Stability 6 months when stored at 70° F and 50 % relative humidity.

Product Codes & Print Methods METROMARK™-NTC (non-topcoated)

1. Screen Print.
2. UV Offset.
3. Solvent Ink Jet.
4. UV Ink Jet.
5. Electrostatic.
6. Thermal Transfer.

METROMARK™-TC (topcoated)

1. Conventional Offset.



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