

Product Bulletin

Concept® 209 METROMARKÔ - Transit Graphics Vinyl Page # 1

Concept® 209 is 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 solvent-based inkjet and UV curable inks common to wide format digital printing systems.

Applications	Concept® 209 is designed for temporary product markings, temporary point of purchase decals, temporary transportation advertising systems, and tri-vision indoor/outdoor billboard displays.
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.
Humidity Resistance	Excellent.
Solvent Resistance	Excellent.
Shelf Stability	6-months shelf life when stored at 70°F and 50% relative humidity.



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

Web Site: www.generalformulations.com •

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Product Bulletin

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Thickness
White Opaque Vinyl Film 3.5 mils.
Removable Acrylic Adhesive .8 to 1.0 mils.
90# Layflat Release Liner 6.7 mils.
(Thickness variation +/- 10%)

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

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

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

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

Adhesion Properties:	Average (Oz/ Inch Width)	
PSTC-1	Stainless Steel	16
24 Hr Dwell	Painted Metal**	16
Room Temperature	Glass	10

** OEM Basecoat – Clear coat system

Product Codes
209-54 (54" X 150' roll)
209-54 (54" X 150' roll, reverse wound/notched core)
209-64 (64" X 150' roll)

Recommendations
Completely evaporate inkjet solvents before application. Failure to do so may facilitate solvent penetration resulting in vinyl degradation.



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