



# MetroMark™ 209 Transit Graphics Vinyl

## MetroMark™ 209

MetroMark™ 209 is a 3.5-mil matte white flexible polymeric opaque vinyl film coated with 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.

|                                   |   |
|-----------------------------------|---|
| <b>Applications</b>               | MetroMark™ 209 is designed for temporary product markings, temporary point of purchase decals, temporary transportation advertising systems, and tri-vision indoor/outdoor billboard displays.  |
| <b>Benefits</b>                   | <ul style="list-style-type: none"><li>• Approved by both CBS Outdoor AND Titan Worldwide for use on buses.</li><li>• Opacity is greater than competitive products, new graphics can be applied over existing decals without bleed through.</li><li>• Whiter cast vinyl provides high resolution images and true color reproduction</li><li>• Removes easily even in cold temperatures, unlike competitive products that crack into tiny pieces MetroMark will peel off in large sheets reducing labor cost.</li><li>• Superior lay flat liner suitable for sheet fed presses.</li></ul> |
| <b>Temperature Ranges</b>         | Minimum application temperature is +40°F.<br>Service temperature is -40°F to +180°F.  |
| <b>Expected Exterior Exposure</b> | Removable for up to one year from most smooth original equipment finishes with little or no residue remaining on the finish.  |
| <b>Substrate Recommendation</b>   | 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 overprints contain slip agents that may reduce adhesion.  |
| <b>Substrate Protection</b>       | Metromark™ will not damage the painted surface on stable OEM or repainted motor coach surfaces.<br><br>Note: Stable paint surface is defined as a positive paint bond between paint and paintreceptive surface of at least 320 ounces per inch peel adhesion.   |
| <b>Humidity Resistance</b>        | Excellent.  |
| <b>Solvent Resistance</b>         | Excellent.  |
| <b>Shelf Stability</b>            | 6-months shelf life when stored at 70°F and 50% relative humidity   |

We believe the information on this product to be accurate. However, since we cannot anticipate or control the conditions under which this information or our products may be used, we cannot guarantee results obtained through their use. Tests of our products should be made by users to determine the suitability of these products for a specific purpose. The products are sold without warranty, either express or implied. The purchaser should refer to Quality Media and Laminating Solutions' Price List for Terms and Conditions or Sale, Including Disclaimer of Warranties and Limitation of Liability.

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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** MD: less than 0.50.

**% Change** CD: less than 0.50.

**24 Hrs on aluminum @ 150 F**

**Elongation (% to Break)** MD: 110 +/-50.

**ASTM D-882** CD: 250 +/-75.

**Tensile Strength** MD: 4000 +/-500

**ASTM D-882** CD: 3500 +/-500

**psi to break**

**Minimum Expected Shear** 1 hour

**PSTC-7 @ 4 psi**

**Room Temperature**

**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

GF20954150 (54" X 150' roll)

GF20964150 (64" X 150' roll)

### Recommendations

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

