

Maegis Essentials - EP5 Freeze REM



TECHNICAL DATA SHEET

Maegis Essentials - EP5 Freeze REM 3.5 MIL MATTE WHITE OPAQUE TRANSIT VINYL CLEAR REMOVABLE ADHESIVE

Maegis Essentials - EP5 Freeze REM is a 3.5 mil matte white polymeric flexible opaque vinyl film coated with a removable acrylic pressure-sensitive adhesive on a 90# layflat liner printed with the Metromark® logo. This film is designed to accept latex, solvent-based inkjet and UV curable inks common to wide format digital printing systems, and can be sheeted for screen printing. Maegis Essentials - EP5 Freeze REM is designed for temporary applications including product markings, point of purchase decals, transportation advertising systems, and tri-vision indoor/outdoor billboard displays. Maegis Essentials - EP5 Freeze REM will conform to simple curves and has excellent hiding characteristics for multi-layered graphics. The adhesive formulation allows for install on glass and OEM painted metal with a surface temperature of 20°F.

PRODUCT NAME	Maegis Essentials - EP5 Freeze REM
FILM	
Film Type	White Polymeric Vinyl
Film Thickness (mils / μm)	3.5 / 89 (+/- 10%)
Film Weight (gsm)	130
Gloss (60°)	≤ 20
Opacity (%)	99
Tensile Strength (psi)	MD ≥ 3500 / CD ≥ 2500
Elongation (%)	MD ≥ 90 / CD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 0.30 mm / CD ≤ 0.20 mm
ADHESIVE	
Adhesive Type	Emulsion
Adhesive Thickness (mils/ μm)	0.8-1.0 / 20-25
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	1.5 / 6.6
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	2.3 / 10
LINER	
Liner Weight (#/gsm)	90 / 145
Liner Type	White 2-Sided PE Coated Kraft, backside logo liner
Liner Thickness (mils/ μm)	6.7 / 170
Release Force @ 300" / min (g/2")	40-70
PERFORMANCE GUIDANCE	
Application Temperature	$\geq +20$ °F
Service Temperature	-40 °F to 180 °F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	up to 5 years
Removability	1 year
RATINGS & CERTIFICATIONS	
Flammability	ASTM E84 Class 1 or A (Rating Standard Test Method for Surface Burning Characteristics of Building Materials)

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TRANSIT VINYL CLEAR REMOVABLE ADHESIVE

PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<p>APPLICATION</p> <ul style="list-style-type: none"> <input type="radio"/> WET APPLY <input checked="" type="radio"/> DRY APPLY <input type="radio"/> LAMINATING <input type="radio"/> MOUNTING <input checked="" type="radio"/> DIE CUTTABLE <input type="radio"/> HOT STAMP <input type="radio"/> THERMAL DIE <input checked="" type="radio"/> FLATBED CUTTABLE <p>SUBSTRATES</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> OEM PAINTED METAL <input checked="" type="radio"/> PAINTED ALUMINUM <input checked="" type="radio"/> STAINLESS STEEL <input checked="" type="radio"/> FIBERGLASS 	<ul style="list-style-type: none"> <input checked="" type="radio"/> POP/RETAIL <input checked="" type="radio"/> WALL <input checked="" type="radio"/> WRAP (SIMPLE CURVES) <input type="radio"/> WRAP (COMPLEX CURVES) <input checked="" type="radio"/> WINDOW <input type="radio"/> FLOOR <input type="radio"/> TRANSLUCENT <input checked="" type="radio"/> TRANSIT <input checked="" type="radio"/> GENERAL SIGNAGE <input checked="" type="radio"/> OUTDOOR (LONG TERM) 	<ul style="list-style-type: none"> <input checked="" type="radio"/> SOLVENT <input checked="" type="radio"/> ECO-SOLVENT <input checked="" type="radio"/> LATEX <input checked="" type="radio"/> UV CURABLE <input checked="" type="radio"/> SCREEN <input checked="" type="radio"/> OFFSET (UV CURABLE) <input checked="" type="radio"/> OFFSET (CONVENTIONAL)* <p>* Topcoated version is available for conventional offset printing.</p>

FAQS	
Is Maegis Essentials - EP5 Freeze REM Transit Approved?	Yes. Maegis Essentials - EP5 Freeze REM is an approved and specified material for multiple transit-related applications including King/Queen/Tail bus advertisements, opaque removable graphics, and layered poster graphics.
Can Maegis Essentials - EP5 Freeze REM be used as a wrap film?	Maegis Essentials - EP5 Freeze REM is conformable film that can go around simple curved surfaces. The adhesive system is strong enough to hold your graphic in place, but robust enough to remove cleanly.
Can you put Maegis Essentials - EP5 Freeze REM over the top of existing graphics?	Yes. Maegis Essentials - EP5 Freeze REM is opaque and can be layered on top of existing graphics. These films can be used for one, two and three sheet subway advertising posters, architectural signage, commercial-retail signage, industrial identification decals, safety decals, point-of-purchase graphics and other decals requiring extended life. Keep in mind, adhesive vinyl products can bond with other vinyl materials and might not allow Maegis Essentials - EP5 Freeze REM to be removed cleanly from other graphics.
Should Maegis Essentials - EP5 Freeze REM be laminated?	Although it is not necessary to laminate Maegis Essentials - EP5 Freeze REM, you may choose to do so depending upon what type of abrasion and or cleaning de-tergents the graphics will encounter.

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