

**TECHNICAL
DATA
SHEET**
**VFMC-OL-AP/53
SCREEN & OFFSET**
**3.0 MIL MATTE CLEAR LAMINATE
CLEAR PERMANENT ADHESIVE**

VFMC-OL-AP/53 is a 3.0 mil gloss clear pressure sensitive vinyl laminate with a permanent acrylic adhesive on a smooth 53# liner. This calendared vinyl laminate protects graphics from abrasion and moisture. VFMC-OL-AP/53 is best applied by the cold laminating process without the addition of heat. The VFMC-OL series laminates are designed to protect digital and screen printed images for exhibit and display graphics. This product can be used in most instances where an overlay with a high gloss finish is required on interior or short-term exterior applications.

PRODUCT NAME	VFMC-OL-AP/53
FILM	
Film Type	Matte Clear Vinyl
Film Thickness (mils/ μ m)	3.0 mil / 76 μ m (+/- 10%)
Film Weight (gsm)	95
Gloss (60°)	≥ 20
Opacity (%)	Not applicable
Tensile Strength (psi)	MD > 4000 / CD > 3600
Elongation (%)	MD > 180 / CD > 200
Dimensional Stability (FTM 14)	MD \leq 1.30 mm / CD \leq .90 mm
ADHESIVE	
Adhesive Type	Emulsion Acrylic
Adhesive Color	Clear
Adhesive Thickness (mils/ μ m)	0.8-1.1 mil / 20-28 μ m
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.9 / 13
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	4.4 / 19
LINER	
Liner Weight (#/gsm)	53 / 86
Liner Type	White Clay Coated Kraft
Liner Thickness (mils/ μ m)	3.5 mil / 89 μ m
Release Force @ 300" / min (g/2")	10-40
PERFORMANCE GUIDANCE	
Application Temperature	\geq +40 degrees F
Service Temperature	-40 to 180 degrees F
Shelf Life	1 year
Storage Temp / Rel. Humidity	70 degrees F / 50%
Outdoor Durability	Up to 1 year

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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 checked="" 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 	<ul style="list-style-type: none"> <input checked="" type="radio"/> POP/RETAIL <input type="radio"/> WALL <input type="radio"/> WRAP <input type="radio"/> WINDOW <input type="radio"/> FLOOR <input type="radio"/> TRANSLUCENT <input checked="" type="radio"/> TRANSIT (FLAT/SIMPLE) <input checked="" type="radio"/> GENERAL SIGNAGE <input checked="" type="radio"/> OUTDOOR (SHORT TERM) 	<ul style="list-style-type: none"> <input type="radio"/> SOLVENT <input type="radio"/> ECO-SOLVENT <input type="radio"/> LATEX <input type="radio"/> UV CURABLE <input type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL)
<p>SUBSTRATES</p> <ul style="list-style-type: none"> <input type="radio"/> OEM PAINTED METAL <input type="radio"/> PAINTED ALUMINUM <input type="radio"/> STAINLESS STEEL <input checked="" type="radio"/> PRINTED GRAPHICS <input type="radio"/> ACRYLIC 		

FAQS	
Can VFMC-OL laminate be used on any kind of vehicle graphics?	No. VFMC-OL is ideal for flat or very slight curves. In the cases of vehicles, it is best to use a conformable, long-term laminate that matches the specifications of the wrap (print) vinyl used. This series of laminates is meant for applications where up to one year of durability is needed. VFMC-OL series laminates are not meant to be stretched or to conform.
Will a Calendered laminate like VFMC-OL work on a Cast print vinyl?	No. You can apply a cast laminate to a calendered vinyl, but you should never put a calendered laminate on a cast vinyl. They must be of a similar construction so that over time they shrink at the same rate to avoid delamination.

For Standard Terms & Conditions: www.generalformulations.com/terms-conditions