

# TECHNICAL DATA SHEET

## GF 831 CAST™

### 2.0 MIL CAST CLEAR GLOSS LAMINATE CLEAR PERMANENT ADHESIVE

GF 831 Cast Clear Laminate is a 2.0 mil High Gloss Cast Clear conformable lamination film with clear adhesive on a 74# Clay-Coated Kraft liner. This glossy flexible laminate provides protection for graphics from UV exposure, moisture and abrasion. GF 831 AutoMark™ Cast Clear Laminate is specifically engineered for use in full vehicle wrap and fleet graphics applications or where other long-term protection is required.

PRODUCT NAME	831
<b>FILM</b>	
Film Type	Clear Cast Vinyl
Film Thickness (mils/μm)	2.0 / 50 (+/- 10%)
Film Weight (gsm)	65
Gloss (60°)	≥90
Opacity (%)	N/A
Elongation (%)	MD ≥ 200
Dimensional Stability (FTM 14)	MD ≤ 0.35 mm
<b>ADHESIVE</b>	
Adhesive Type	Solvent Acrylic
Adhesive Thickness (mils/μm)	0.8-1.2 / 20-31
Adhesive Color	Clear
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min	2.2 / 9.6
Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs	2.8 / 12
<b>LINER</b>	
Liner Weight (#/gsm)	74 / 120 (+/- 10%)
Liner Type	White Clay-Coated Kraft
Liner Thickness (mils/μm)	4.6 / 118
Release Force @ 300" / min (g/2")	15-30
<b>PERFORMANCE GUIDANCE</b>	
Application Temperature	≥ +50 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	2 years
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	7 years (vertical application - see zone1)

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<p><b>APPLICATION</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> WET APPLY (EXCEPT PERF)</li> <li><input checked="" type="radio"/> DRY APPLY</li> <li><input checked="" type="radio"/> LAMINATING</li> <li><input type="radio"/> MOUNTING</li> <li><input type="radio"/> DIE CUTTABLE</li> <li><input type="radio"/> HOT STAMP</li> <li><input type="radio"/> THERMAL DIE</li> <li><input checked="" type="radio"/> FLATBED CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li><input checked="" type="radio"/> POP/RETAIL</li> <li><input checked="" type="radio"/> WALL</li> <li><input checked="" type="radio"/> WRAP</li> <li><input checked="" type="radio"/> WINDOW</li> <li><input type="radio"/> FLOOR</li> <li><input checked="" type="radio"/> TRANSLUCENT</li> <li><input checked="" type="radio"/> FLEET</li> <li><input checked="" type="radio"/> GENERAL SIGNAGE</li> <li><input checked="" type="radio"/> INDOOR</li> <li><input checked="" type="radio"/> OUTDOOR</li> </ul>	<ul style="list-style-type: none"> <li><input type="radio"/> SOLVENT</li> <li><input type="radio"/> ECO-SOLVENT</li> <li><input type="radio"/> LATEX</li> <li><input type="radio"/> UV CURABLE</li> <li><input type="radio"/> SCREEN</li> <li><input type="radio"/> OFFSET (UV CURABLE)</li> <li><input type="radio"/> OFFSET (CONVENTIONAL)</li> </ul>
<p><b>SUBSTRATES</b></p> <ul style="list-style-type: none"> <li><input type="radio"/> OEM PAINTED METAL</li> <li><input type="radio"/> PAINTED ALUMINUM</li> <li><input type="radio"/> STAINLESS STEEL</li> <li><input type="radio"/> LOW-ENERGY SURFACES</li> <li><input type="radio"/> ACRYLIC</li> </ul>		

### FAQS

Can I use GF 831 Cast Clear Laminate for full car wraps?	Yes. This is a full wrap laminate that can be used for complex curves, deep channels, and false windows found on commercial vans.
What are the main products that can be used with GF 831?	GF 831 is the recommended laminate for GF Cast Wrap films (GF 830 & GF 846). GF 831 can also be used on a variety of GF films including GF 230 AutoMark™.
Can I use heat when laminating the GF 831 to vinyl films?	GF 831 is a cold laminating film, however you may use up to 115 ° F (heat assist) to help the adhesive flow out in certain situations. Anything higher may cause the vinyl to stretch.