GENERAL FORMULATIONS

TECHNICAL DATA SHEET

GF 831 AUTOMARK™ CAST

2.0 MIL GLOSS CLEAR UV LAMINATE
CLEAR PERMANENT ADHESIVE

GF 831 AutoMark™ Cast Clear Laminate is a 2.0 mil High-Gloss lamination film with clear adhesive on a 74# liner. This conformable laminate provides graphic protection from UV exposure, moisture and abrasions. GF 831 AutoMark™ Cast Clear Laminate is specifically engineered for lamination of full vehicle wraps and fleet graphics or where long-term protection is required.

PRODUCT NAME	831
FILM	
Film Type	Cast Clear 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
ADHESIVE	
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
LINER	
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
PERFORMANCE GUIDANCE	
Application Temperature	≥ +50 °F
Service Temperature	-40 °F to 180 °F
Shelf Life	2 years
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	8 years (vertical application - see zone1)

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PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
APPLICATION	● POP/RETAIL	❍ SCREEN
❍ WET APPLY (EXCEPT PERF)	● WALL	❍ OFFSET (UV CURABLE)
● DRY APPLY	● WRAP	❍ OFFSET (CONVENTIONAL)
● LAMINATING	● WINDOW	❍ UV CURABLE
❍ MOUNTING	❍ FLOOR	❍ SCREEN
❍ DIE CUTTABLE	● TRANSLUCENT	❍ OFFSET (UV CURABLE)
❍ HOT STAMP	● FLEET	❍ OFFSET (CONVENTIONAL)
❍ THERMAL DIE	● GENERAL SIGNAGE	
● FLATBED CUTTABLE	● INDOOR	
	● OUTDOOR	
SUBSTRATES		**RECOMMENDED DIGITAL FILM**
❍ OEM PAINTED METAL		● GF 830 GLOSS WHITE CAST VINYL
❍ PAINTED ALUMINUM		● GF 230 GLOSS WHITE VINYL
❍ STAINLESS STEEL		
❍ LOW-ENERGY SURFACES		
❍ ACRYLIC		

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, rivets, 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.

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