

# TECHNICAL DATA SHEET

## GF 831 AUTOMARK™ CAST

50MIC GLOSS CLEAR UV LAMINATE  
CLEAR PERMANENT ADHESIVE

GF 831 AutoMark™ Cast Clear Laminate is a 50mic High-Gloss lamination film with clear adhesive on a 120 gsm 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
<b>FILM</b>	
Film Type	Cast Clear Vinyl
Film Thickness (mils/μm)	2.0 / 50
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
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	≥ +10 °C
Service Temperature	-40 °C to 82 °C
Shelf Life	2 years
Storage Temp / Rel. Humidity	21 °C / 50%
Outdoor Durability	8 years (vertical application - see zone1)

Distributed in the UK by:

# TECHNICAL DATA SHEET

## GF 831 - 50MIC CAST CLEAR UV LAMINATE CLEAR PERMANENT ADHESIVE

PRODUCT SNAPSHOT	APPLICATIONS	INK TYPE
<b>APPLICATION</b> WET APPLY (EXCEPT PERF) <ul style="list-style-type: none"> <li>• DRY APPLY</li> <li>• LAMINATING</li> </ul> MOUNTING DIE CUTTABLE HOT STAMP THERMAL DIE <ul style="list-style-type: none"> <li>• FLATBED CUTTABLE</li> </ul>	<ul style="list-style-type: none"> <li>• POP/RETAIL</li> <li>• WALL</li> <li>• WRAP</li> <li>• WINDOW</li> </ul> FLOOR <ul style="list-style-type: none"> <li>• TRANSLUCENT</li> <li>• FLEET</li> <li>• GENERAL SIGNAGE</li> <li>• INDOOR</li> <li>• OUTDOOR</li> </ul>	SCREEN OFFSET (UV CURABLE) OFFSET (CONVENTIONAL) UV CURABLE SCREEN OFFSET (UV CURABLE) OFFSET (CONVENTIONAL)
<b>SUBSTRATES</b> OEM PAINTED METAL PAINTED ALUMINUM STAINLESS STEEL LOW-ENERGY SURFACES ACRYLIC		<b>RECOMMENDED DIGITAL FILM</b> <ul style="list-style-type: none"> <li>• GF 830 GLOSS WHITE CAST VINYL</li> <li>• GF 230 GLOSS WHITE VINYL</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, 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 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 46 °C (heat assist) to help the adhesive flow out in certain situations. Anything higher may cause the vinyl to stretch.