

**TECHNICAL
DATA
SHEET**

GF 831 AUTOMARK™ CAST

2.0 MIL GLOSS CLEAR UV LAMINATE
CLEAR PERMANENT ADHESIVE

GF 831 AutoMark™ Clear Laminate is a 2.0 mil gloss cast film with clear solvent adhesive on a 74# liner. This con-formable laminate provides graphic protection from UV exposure, moisture, and abrasion. GF cast laminates are specifically engineered for full vehicle wraps, partial wraps, fleet graphics as well as long-term applications where a high-quality cast laminate 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 ≤ 0.40 mm |
| ADHESIVE | |
| Adhesive Type | Solvent Acrylic |
| Adhesive Thickness (mils/μm) | 0.9-1.2 / 23-31 |
| Adhesive Color | Clear |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 15 min | 2.5 / 11 |
| Peel Strength on Stainless Steel (lbs/in) / (N/25mm) 24 hrs | 3.5 / 15 |
| 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") | 20-40 |
| 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) |

TECHNICAL DATA SHEET

GF 831 - 2.0 MIL CAST CLEAR UV LAMINATE CLEAR PERMANENT ADHESIVE

| PRODUCT SNAPSHOT | APPLICATIONS | INK TYPE |
|---|--|--|
| <p>APPLICATION</p> <ul style="list-style-type: none"> <input type="radio"/> WET APPLY (EXCEPT PERF) <input checked="" type="radio"/> DRY APPLY <input checked="" type="radio"/> LAMINATING <input type="radio"/> MOUNTING <input 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 checked="" type="radio"/> WALL <input checked="" type="radio"/> WRAP <input checked="" type="radio"/> WINDOW <input type="radio"/> FLOOR <input checked="" type="radio"/> TRANSLUCENT <input checked="" type="radio"/> FLEET <input checked="" type="radio"/> GENERAL SIGNAGE <input checked="" type="radio"/> INDOOR <input checked="" type="radio"/> OUTDOOR | <ul style="list-style-type: none"> <input type="radio"/> SCREEN <input type="radio"/> OFFSET (UV CURABLE) <input type="radio"/> OFFSET (CONVENTIONAL) <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 type="radio"/> LOW-ENERGY SURFACES <input type="radio"/> ACRYLIC | | <p>RECOMMENDED DIGITAL FILM</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> GF 830 GLOSS WHITE CAST VINYL <input checked="" type="radio"/> GF 230 GLOSS WHITE VINYL |

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 115° F (heat assist) to help the adhesive flow out in certain situations. Anything higher may cause the vinyl to stretch. |