

1.3 Mil Cast Laminate

Fellers Black Label Cast Overlaminate is a pressure sensitive cast vinyl featuring a permanent clear, solvent-based adhesive for the optimal protection of your graphics. This laminate is available in 1.3-mil and 2-mil versions, depending on your specific preference. It offers UV protection and scratch resistance for your graphics. This product is designed for vehicle and fleet applications, or other applications where long-term durability and high-conformability is required. Heat assist lamination is recommended, not to exceed 115 degrees on heat assist.

Product Description	1.3 Mil Cast Laminate - Gloss or Matte
Film	
Film Type	Cast Clear Vinyl
Film Thickness (mils) ASTM-D 1593	1.3 mil; (30 micron) (+/- 10%)
Gloss (60%)	≥90
Elongation (%) ASTM D882	MD ≥ 200
Dimensional Stability (% shrinkage) ASTM D1004	MD ≤ 0.2mm"
Adhesive	
Adhesive Type	Solvent
Adhesive Thickness	.9-1.1 mil; 23-28 micron
Adhesive Color	Clear
Peel Strength on Stainless Steel: 15 min typical value (lbs/in / N/25m)	2.0 / 9
Peel Strength on Stainless Steel: 24 hrs typical value (lbs/in / N/25m)	3.1 / 14
Liner	
Liner Weight (lbs / gsm)	50 / 82 (+/-10%)
Liner Type	Glassine
Liner Thickness (mils / microns)	1.4 / 36
Release Force @ 300" / min (g/2") ASTM D-1000	20 - 35
Performance Guidance	
Application Temperature	≥ 45 °F
Service Temperature	-40 to 185 °F
Shelf Life	2 years
Storage Temp / Rel. Humidity	70 °F / 50%
Outdoor Durability	6 years †
Watercraft Applications	2 year durability, above the waterline
Lamination Recommendation	
Please ensure your laminator is adjusted to account for a thinner laminate gauge. We recommend using heat assist.	

Disclaimer

All data provided in this document is based upon tests executed by Fellers or their manufacturing partners and determined to be reliable information. Results may represent an average and any minimum or maximum values provided should be considered as a recommendation based on average circumstances. In the end, it is up to the end user to determine at their risk if the product is right for the desired application and outcome. These settings do not provide or imply a guarantee of the products use, outdoor durability, removability, or printability. In general, non-vertical applications can result in a reduced performance of 50% or more. This information is subject to change at any time without notice.

Notations:

† Typical weather conditions, Vertical mounted, Unprinted, Unlaminated. Overall durability of the product is application dependent and should be considered the shortest-term durability of any of the finished sign components.
MD - Machine Direction



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