Clear Focus
A TRANSCENDIA BRAND

CurvaLam

Key Features

- Optically Clear CAST vinyl
- Long-Term Applications
- External Applications
- Flat or Simple Curved Surfaces
- Gloss Meter 60° Reflection: 60-90 (crystal)

Product Features and Applications

50µ high-gloss clear CAST vinyl coated with a clear permanent adhesive. Available with PET Liner.

Applications:

- Long-term exterior-mount on flat or simple curved window graphics decorations such as vehicle graphics and other transparent surfaces
- Allow at least 24 hours for the inks to dry and outgas before applying any over-laminate .
- Allow at least 12 hours before installation for the adhesive to bond adequately to the vinyl.

♦ *Cold lamination only with proper tension control to prevent wrinkles and tunnelling (do not stretch the film)*
♦ *The printed substrate must be cool*
♦ *It can be cleaned with non-abrasive detergents without becoming cloudy*

Key Benefits

- Dimensional Stability: Excellent
- Humidity Resistance: Excellent
- Solvent Resistance: Excellent
- Water Resistance: Good
- UV Resistance: Good to excellent.
- FDA approved
  21 CFR 175.105
  21 CFR 177. 10520

- CurvaLam is designed to protect the graphics from UV, water and chemical agents.
- CurvaLam prevents the film's holes from filling with water when it rains or when the window graphics are washed.
- CurvaLam ensures superior clarity, an increased image life and an attractive finish.
- The lamination is rigid enough to span perforations
- Not recommended for printing

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Technical Information

Film	50µ high gloss clear CAST vinyl
Adhesive	20µ clear permanent solvent-based pressure-sensitive adhesive
Liner	38µ PET
Standard Width	100cm, 137,2cm, 152,4 cm
Standard Length	50ml
Expected Lifetime Exterior [1]	5 years
Storage Stability[1]	2 years shelf life if stored at 21° and 50% relative humidity
Minimum Application Temperature	+4º C
Service Temperature Range	-17º C to 62º C
Dimensional Stability	Excellent
Solvent, UV and Humidity Resistance	Good to Excellent
Water Resistance[2]	Excellent
Ultimate Elongation	4.45%-MD
Tensile Strength	8.291 psi-MD
Stiffness	372.662 psi %
Chemical Resistance	Resistant to ammonium hydroxide -10%, antifreeze, detergent, distilled water, gasoline and motor oil -SAE 20

- [1] if stored on vertical position (AA Zone 1).
- [2] Immersion in water is not recommended.

Guidelines:

we recommend an absolute minimum of 24 hours between printing and application of the film and at least 12 hours before installation. Darker prints may require longer.

Lamination is highly recommended for vehicle applications in order to prevent poor visibility when exposed to rain and dirt. We recommend ClearLam for flat surfaces and CurvaLam for flat and slightly curved surfaces.
Lamination must be done on perfectly cured/dried ink.

Use a cold lamination (recommended method) and provide the proper tension control to prevent wrinkles and tunnelling from occurring (do not stretch the film)

The printed substrate must be cool

It can be cleaned with non-abrasive detergents without becoming cloudy

- For further information please refer to our Technical Bulletin or contact us

Warranty

Information provided above is based upon tests that are believed to be reliable. There are intended as a source of information and do not constitute a warranty. ClearFocus takes great pride in ensuring tight quality control and we warranty our products to be free from visible defects at the time of sale. Any material showing visual defect at the time of sale will be replaced without charge. Our laibility is limited to the costs of material and ClearFocus shall in no circumstances cover expenses associated to the transformation and/or application of its products.