

PRODUCT DATA SHEET



Product Description

Ultracurve H1 is a 6.0mil flexible white polymeric vinyl film, backed with an aggressive pressure sensitive acrylic adhesive system, specifically engineered to adhere to sport helmets. With broad HSE/LSE plastic adhesion and clean removability, Ultracurve H1 is a winning helmet decal choice for Football, Baseball, Lacrosse, Hockey, Motocross, and more!

Recommended End Uses

Substance Incorporated recommends the following end uses for Ultracurve H1:

- Decals for football, baseball, lacrosse, hockey, motorsports, and industrial helmets.
- Market leading decals for sport helmets that require strong adhesion.
- Decals applied to HSE/LSE plastics that require clean long-term removability.
- Applications that require aggressive adhesion with low shrinkage characteristics.

Performance Characteristics

| Characteristic | Typical Value |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Material | 4.0 mil Polymeric Calendered Vinyl |
| Color | Opaque White |
| Tensile Strength | 15.2 pounds/inch |
| Adhesive | Clear Solvent-Based Pressure Sensitive Acrylic |
| Adhesive Thickness | 2.0 mil (0.056mm) +/- 10% |
| Peel Adhesion | 6.0 pounds/inch from Stainless Steel |
| Liner | 90LB Natural Brown PE Coated Layflat Paper |
| Liner Release | 32 grams/inch |
| Dimensional Stability | 0.020 inch (0.51 mm) |
| Application Temp. | 32°F to 80°F recommended, test prior to specific application |
| Temperature Range | -65°F to 220°F |
| Shelf Life | 2 years when stored at 70°F and 50% relative humidity |
| Print Compatibility | Solvent, Eco-Solvent, Latex, UV, and Thermal Transfer Inks |
| Graphic Life | Outdoor durability up to 7 years (unprinted), permanent |
| Chemical Resistance | Resists mild acids, mild alkalis, solvents, and salts. Excellent resistance to water, including immersion. |

Installation Recommendations

Before applying an overlaminate, allow 24 hours for print to dry. Application surface must be free of dust, dirt, debris, grease, and other contaminants. We highly recommend cleaning the installation surface with isopropyl alcohol prior to application. Dry installation is recommended. Please test any application fluid prior to use. Mild heat may be used during installation to help Ultracurve H1 conform to irregular surfaces.

Disclaimer

All descriptive information presented within this Product Data Sheet is intended for reference purposes only. This information does not suggest or constitute a verbal or written warranty of any kind. The end user shall be responsible for independently testing the suitability of their application, prior to final use. The liability of Substance Incorporated will not exceed the purchase price of materials.



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