

PRODUCT DATA SHEET



Product Description

Ultracurve H1 is a 150 micron 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 Motocross, Motorsports and more!

Recommended End Uses

Substance Incorporated recommends the following end uses for Ultracurve H1:

- Decals for motocross, motorsports, industrial helmets and more.
- 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	100 micron Polymeric Calendered Vinyl
Color	Opaque White
Tensile Strength	68N/25mm
Adhesive	Clear Solvent-Based Pressure Sensitive Acrylic
Adhesive Thickness	50 micron +/- 10%
Peel Adhesion	27N/25mm from Stainless Steel
Liner	140GSM Natural Brown PE Coated Layflat Paper
Liner Release	32 grams/25mm
Dimensional Stability	(0.51 mm)
Application Temp.	0°C to 27°C recommended, test prior to specific application
Temperature Range	40°C to 88°C
Shelf Life	2 years when stored at 21°C 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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