

PRODUCT DATA SHEET



Product Description

Ultracurve X1 is a revolutionary 150 micron flexible white polymeric vinyl film, containing bubble-free FLO Technology, backed with a highly aggressive pressure sensitive acrylic adhesive system, specifically engineered to adhere to difficult substrates, including motocross bikes, ATUs, side-x-sides, karts, and most low surface energy plastics.

Recommended End Uses

Substance Incorporated recommends the following end uses for Ultracurve X1:

- Market leading bubble-free graphics for Motocross Bikes and ATUs.
- Bubble-free decals and graphics for Karts, including rough textured plastics.
- Demanding industrial applications to polyethylene, polypropylene, and TPO.
- Permanent adhesion to smooth and rough textured plastics and metals.

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	35N/25mm from Stainless Steel
Liner	170 gsm PE Coated Layflat Paper
Liner Release	32 grams/25mm
Dimensional Stability	0.8 mm
Application Temp.	0°C to 27°C recommended, test prior to specific application
Temperature Range	-40°C to 88°C
Shelf Life	1 year 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. After working out any bubbles in the film, mild heat may be used during installation to help X1 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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