

PRODUCT DATA SHEET

ICON® 444LSE

Product Description

ICON® 444LSE is a 3.2mil flexible white polymeric vinyl film, backed with a highly aggressive pressure sensitive acrylic adhesive system featuring FLO® Technology, specifically engineered for bubble-free adhesion to difficult substrates. Suggested application to low surface energy plastics, powdercoated metals, and most smooth metal surfaces.

Recommended End Uses

Substance Incorporated recommends the following end uses for ICON® 444LSE:

- Excellent bubble-free adhesion to a wide variety of smooth HSE/LSE plastics.
- Helmet graphics for aggressive sports when combined with Ultracurve® 1000 or 1500.
- Graphics for RC cars, coolers, porta-johns, drums/tanks, and ice arena dasher boards.
- Permanent bubble-free adhesion to many smooth difficult to adhere to substrates.

Performance Characteristics

Characteristic	Typical Value
Material	3.2 mil Polymeric Calendered Vinyl
Color	White
Tensile Strength	14.1 pounds/inch
Adhesive	Clear Solvent-Based Pressure Sensitive Acrylic
Adhesive Thickness	1.1 mil (0.028mm) +/- 10%
Peel Adhesion	5.2 pounds/inch from Stainless Steel
Liner	99LB PE Coated Layflat Paper
Liner Release	30 grams/inch
Dimensional Stability	0.039 inch (0.9 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 24-48 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. Due to a highly-aggressive adhesive system, 444LSE will exhibit a slightly higher amount of shrinkage than standard calendered vinyl films.

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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