

PL-ETCH

**FROSTED
ETCH FILM**

PRODUCT DESCRIPTION

ICON® PL-ETCH is a 2.75mil flexible clear polymeric frosted etch vinyl film, backed with a solvent-based permanent adhesive system. ICON® PL-ETCH provides industry leading clarity, and conformability. An exceptional choice for long term indoor usage.

PL-ETCH has obtained a Class A fire rating in ASTM E84-17 testing and Meets the highest life safety requirements for indoor/outdoor commercial graphics.

RECOMMENDED END USES

- Office partitions
- Windows
- Glass Doors
- Unmatched gloss, conformability, and clarity with a UV extension factor of 3 years.
- Phthalate-Free Film Structure and ASTM E84-17 Class A rating conform to the highest health and safety standards.

PERFORMANCE CHARACTERISTICS

CHARACTERISTICS	TYPICAL VALUE
MATERIAL	2.75 mil Polymeric Calendered Vinyl
COLOR	Clear
TENSILE STRENGTH	12.5 Pounds/Inch
ADHESIVE	Clear Solvent-Based Permanent Pressure Sensitive Acrylic
ADHESIVE THICKNESS	1.1mil
PEEL ADHESION	4.5 Pounds/Inch from Stainless Steel
LINER	90LB PE Coated Layflat Paper
LINER RELEASE	30 Grams/Inch
DIMENSIONAL STABILITY	0.020 Inch (Machine Direction)
APPLICATION TEMP.	50°F to 90°F recommended, test prior to specific application
TEMPERATURE RANGE	-40°F to 190°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 5 years, permanent
CHEMICAL RESISTANCE	Resists mild acids, mild alkalis, solvents, and salts
	Excellent resistance to water, including immersion

INSTALLATION RECOMMENDATIONS

- Application surface should be free of dust, dirt, debris, grease, and other contaminants.
- It is highly recommended to clean the installation surface with isopropyl alcohol prior to application.
- Dry installation is recommended. If a wet installation is desired, please test application fluid prior to use in a production environment.

PHTHALATE FREE

FILM STRUCTURE

NOTICE

Substance Incorporated products are precision manufactured in the United States to the highest exacting standards, and guaranteed to be free from manufacturing defects. All descriptive information presented within this Product Data Sheet is intended for reference purpose 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 this product for their application, prior to final use. Substance Incorporated shall not be held liable for damages, injuries, loss, or expenses that result from the use of our products. Our unique Phthalate-Free Film Structure meets the health and safety requirements set forth by CPSIA, REACH, RoHS, and California Proposition 65.