

Product Features

This is a 9-mil white film for printed graphics with an opaque blockout layer. The aggressive, pressure sensitive adhesive is well suited for graphics applied to sand cast, moderately rough surfaces and some low surface energy materials. This permanent film along with Vigor™ manufacturing methods, maximizes durability in environments where direct contact is prevalent.

Recommended Types of End Uses

- Cover-up of high contrast painted or printed surfaces
- Low surface energy textured substrates, such as ABS Haircell
- Small format OEM decorative and identification graphics, cautionary, safety and vandal-resistant labeling

Limitations of End Uses

STG specifically does not recommend the following uses, but please contact us to discuss your needs or recommend other products.

- Applications to corrugated surfaces
- Applications to compound curved surfaces
- Graphics regularly subjected to gasoline vapors or spills
- Not recommended for long term outdoor use

Physical Characteristics

Characteristic	Value
Material	Vinyl, calendered
Color	Face: White Back: Silver
Thickness	Without adhesive: 5 mils With adhesive: 9 mils
Adhesive type	Pressure sensitive
Adhesive color	Clear
Liner	White kraft paper
Adhesion	ABS Haircell: 10.3 lbs/inch Acrylic: 8.8 lbs/inch Glass: 7.4 lbs/inch Stainless Steel: 8.3 lbs/inch
Chemical resistance	Resists mild acids, mild alkalis, and salts Excellent resistance to water (does not include immersion)

Application Characteristics

Characteristic	Value
Finished graphic application recommendation	Surface type: Flat or moderate curves, without rivets, also sand-cast, moderately rough, Haircell finish Substrate type: Haircell ABS, Powder Coat, Most rigid plastics, etched and anodized aluminum, chrome, fiberglass and paint Application temperature: 40° to 90°F (4° to 32°C) air and substrate Application method: Dry
Graphic Removal	Permanent

Manufacturing

To meet Vigor™ manufacturing standards, decal corners must not be 90°, typically these are replaced with a corner radius (0.25"). This reduces premature damage/removal due to vandalism.

Due to increased adhesive properties, it is necessary to utilize at least one of the following manufacturing methods to aid in removal of the decal from the liner material.

- backslit through the liner sheet
- protruding liner material, outside of the finished dimension of the decal

Application

This film has a pressure-sensitive adhesive. It bonds to the surface even with light pressure and cannot be repositioned.

Cleaning Graphics

Use a cleaner designed for high-quality painted surfaces. The cleaner must be wet, non-abrasive, without strong solvents, and have a pH value between 3 and 11 (neither strongly acidic nor strongly alkaline.)