

SOLYX® Glass Finishes

SimGlas® SGD-6007 Gridlock



Product Details

SimGlas® SGD-6007 Gridlock is a durable, dimensionally stable, translucent film with a semi-transparent interlocking 3/4" square pattern. It is made of polyester and has a silicone liner which protects the clear, pressure-sensitive acrylic adhesive. Recommended for application to interior glass and all acrylic and polycarbonate sheeting, this product is perfect for semi-privacy, decorative, or architectural applications.

Flammability Rating

This product meets ASTM E84 and is classified as Class A as defined in NFPA 101, Life Safety Code®.

LEED Credit EQ 4.1 Low Emitting Materials, Adhesives & Sealants

This product has zero VOC content according to 40 CFR 59, Subpart D (EPA method 24).

Product Description

SimGlas® SGD-6007 Gridlock is a durable, translucent polyester film with a semi-transparent interlocking square pattern. The background gives the appearance of etched glass.

Specifications

Product Code	SGD-6007
Product Family	Geometric
Film Type	Polyester
Adhesive Type	Pressure-Sensitive
Usage	Interior
Available Width(s)	58"
Full Roll Length	85 linear feet
Thickness	2 mil
Shading Coefficient	.93
Visible Light Reflectance	79%
Visible Light Transmission	82%
UV Transmission	5%
Solar Heat Reflectance	7%
Solar Heat Transmission	76%
Solar Heat Absorption	17%

Installation and Warranty

Installation

Installation should be in accordance with the manufacturer's installation instructions. It is applied using the same tools and techniques used for installing window tinting films.

Warranty

This *SimGlas*® product will be free from defects in material and manufacture for a period of five (5) years from the date of installation. See warranty information for specific details.

Product Distribution and Contact Information

Distribution

SimGlas® Decorative Films are available through authorized Installing Dealers, Distributors, or directly from Decorative Films, LLC

Samples submitted upon request.

Contact Information

Decorative Films, LLC
1-888-657-5224
www.decorativefilm.com

Product Construction

Face Film

Polyester

Adhesive

Adhesive Clear, Pressure-Sensitive

Release Liner

Transparent, Synthetic, Plottable

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	4 - 20	
THICKNESS	Micrometer, Federal Bench Type	2-mil (50 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	≥ 4.5 lb/in width	≥ 0.8 kg/cm width
ELONGATION	Instron Tensile Tester as above	≥ 150%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	3 Years from factory shipment	
APPLICATION TEMPERATURE RANGE	On clean, dry substrate	40°F to 90°F optimum	10°C to 30°C
HUMIDITY RESISTANCE	Applied to etched aluminum panels 24 hours prior to testing. 100% relative humidity 100° (38°) for 500 hours	No appreciable effect	
DIMENSIONAL STABILITY	158°F (70°C), 48 hours	0.010 – 0.020 in	0.25 – 0.50 mm
PEEL ADHESION	PSTC-1, 15 min	60 oz/in	.65 kg/cm
LINER RELEASE	TLMI, 300 in/min (127 cm/min) 2 in (51 mm) wide sample	150 g/2 in	30 g/cm

PHYSICAL PROPERTIES

Durability

9 years when properly processed and applied (Vertical exposure, unprinted film).

Minimum Surface/Ambient Air Application Temperature

40° F. (38° C)

Service Temperature Range

-40° F. to +225° F. (-40° C. to +107° C.) - Reasonable range of temperatures, which would be expected under normal environmental time and temperature conditions.

Typical Film Caliper (w/adhesive)

.0025 to .0035 inches

Chemical Resistance

Resists mild acids, alkalis, and salts.

Water Resistance

Excellent resistance to water.

NOTE: Always pretest your specific substrates prior to actual application.

Shelf Life

3 years when stored in a clean, dry area, out of the direct sunlight, and at less than 100° F. (38° C)

