

## SOLYX® Glass Finishes

### SXD-1818 Dots



#### Product Description

SOLYX® SXD-1818 Dots is a durable, dimensionally stable polyester film with a 1/8" frosted white dot pattern and 1/8" clear spacing allowing for excellent light transmission.

#### Specifications

Product Code	SXD-1818
Product Family	Geometric
Film Type	Polyester
Adhesive Type	Pressure-Sensitive
Usage	Interior
Available Width(s)	48"
Full Roll Length	50 linear feet
Thickness	2 mil
Shading Coefficient	.93
Visible Light Reflectance	79%
Visible Light Transmission	Average - 51%
UV Transmission	Average - 68%
Solar Heat Reflectance	7%
Solar Heat Transmission	76%
Solar Heat Absorption	17%

#### Product Construction

##### Face Film

2 mil Polyester

##### Adhesive

Adhesive Clear, Pressure-Sensitive

##### Release Liner

Transparent, Synthetic, Plottable

#### Product Details

SOLYX® SXD-1818 Dots is a durable, dimensionally stable polyester film with a 1/8" frosted dot pattern and 1/8" clear spacing. Recommended for application to interior glass, it is manufactured with a silicone coated liner which protects the clear, pressure-sensitive adhesive. This film 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).

#### Installation and Warranty

##### Installation

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

##### Warranty

This SOLYX® 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

SOLYX® 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](http://www.decorativefilm.com)

## PERFORMANCE & PHYSICAL DATA

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

## PHYSICAL PROPERTIES

### Outdoor 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)

