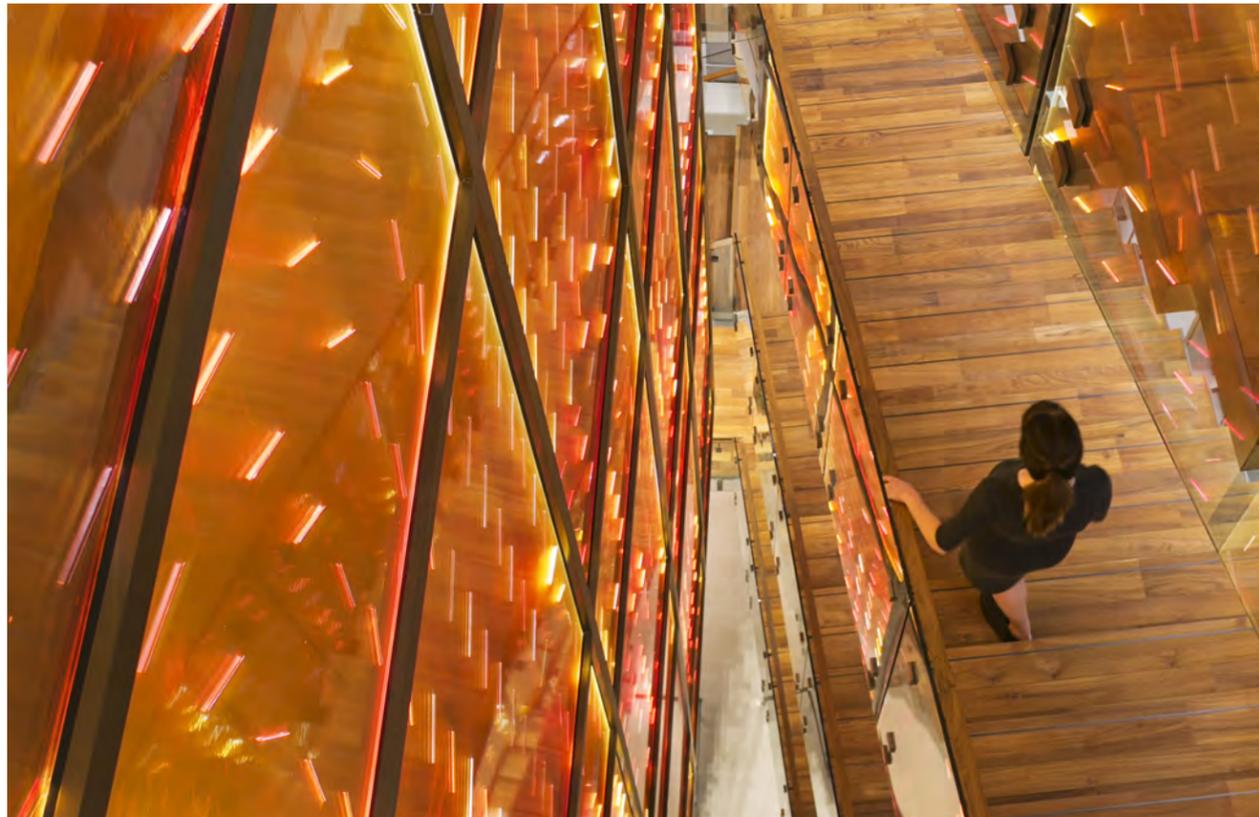# Sensitile Slant®

Sensitile Slant® - Light Refracting Panels

Type: Laminated Panels

Core composition: Resin

Cladding Composition: Resin or Glass. Only patterns marked with an * are available in glass.

Applications: Commonly used for feature walls, screens, dividers, horizontal and vertical surfacing, and signage

Core patterns: Chaos*, Concentric, Context, Dew, Field, Foam, Freeze, Links, Mesh*, Pins & Needles, Shutter*, Sleet*, Static, Solar, Turbulence, Wave* all available in several scales.

Interlayers: Iridescent film, custom film colors, artwork, wood, and fabric can be layered on one or both surfaces of the core.

Core thickness: 1/8", 1/4", 1/2" , 3/4" and 1" for Mesh and Links; 1/16", 1/8", 1/4", 3/8", 1/2", 3/4" and 1" for all other patterns. Cores may be doubled.

Cladding thickness: 1/16", 1/8", 3/16", 1/4", 3/8" or 1/2" for Resin; 3/16" or 1/4" for Glass.

Cladding colors: Over 500 color combinations available in transparent and mirror options.

Cladding surface finish: Matte, Frosted, Non-Glare for Resin; Sandblast and Acid Etch for Glass.

Total panel thickness: 5/16" to 1-1/4" for Resin; 9/16" to 1-1/2" for Glass. Custom Thicknesses Available.

Sizes: Standard size is 4'x8' for all panels. Full sized frosted panels will have a tolerance of (-) 3/8" / (+) 1/16". Clear and glass panels are also available 5'x8', 4'x10', and 5'x10'. 5'x10' Resin panels will have a tolerance of (-) 1/2" / (+) 1/16". Larger sizes may be available.

Illumination:

SLANT® panels are imprints of natural phenomena etched into a crystalline resin substrate. Named after each inspiring phenomenon, these elegant and versatile panels will unleash a dynamic play of light in any space.

The effects of SLANT® are best seen when they receive wash lighting from the face, though they also respond well to strong ambient light. Back lighting and graze lighting can also work well, but their effects can vary based on the method. If desired, using a frosted face for the panel can help to reduce glare. Please contact us if you are going for a specific look and we can help you achieve it!

Options and services:

Non-standard thickness
Curved panels with concave or convex radius (minimum radius 24")
Custom colors and color matching
Dichroic color options
Mounting hardware, including integrated z-clips for opaque panels (mirror backed)
Custom patterns
Edge polishing
Edge profiling
2-D shape cutting
Laser surface etching (Logos and graphics)
3D shapes and forms

Technical Specifications for Sensitile SLANT® panels with resin cladding unless otherwise noted

Resin Thickness	Weight	Glass Thickness	Weight
1/2"	3 lbs/sq²	3/4"	8 lbs/sq²
3/4"	5 lbs/sq²	1"	10 lbs/sq²
7/8"	5.75 lbs/sq²		
1"	6.5 lbs/sq²		

Impact Strength		0.4 ft lb/in of notch
Safety Glass (glass cladding)		ASTM Z97.1-2015 and CPSC 16 CFR 1201
Rockwell hardness	ASTM D785	M-94
Maximum recommended service temperature		175 ˚F
Coefficient of Linear Thermal Expansion	ASTM D696	0.000034 in/in ˚F
Self Ignition Temperature	ASTM D1929	910 ˚F
Flame Spread Index (acrylic cladding)	ASTM E84	120
Flammability rating	UL 94	94HB
ICC Building code classification (acrylic cladding)		C, CC2
(glass cladding)		A
Low Emitting Materials (EQ 4.1, LEED V4, CDPH Spec. 01350 V1.1)		