

NEWS **Release**



ABRISA Technologies

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Abrisa Technologies Offers a Broad Selection of Patterned Glass for Light Control Applications

Santa Paula, CA – Abrisa Technologies offers numerous patterned glass products and hexagon louvers for diffusion and light control. These products can be fabricated into virtually any shape and can be drilled, sandblasted, screen printed, polished, heat tempered, and more to meet each customer specification.

Typical patterned glass held in stock includes:

- **Crystal 73® (Prismatic)** – Maximum size is 48" x 102" or (1219.2 x 2590.8 mm) with a thickness of 5/32" or (4 mm). This glass has a pebble effect for blending, spreading and diffusing transmitted light. It is a low-iron optically clear glass offering maximum transmission and minimal absorption. It does not yellow over time like plastic, retaining its optical clarity. It widens beam spread approximately 55 degrees. It can be heat tempered to increase thermal shock resistance and mechanical strength and can be coated with a UV blocking coating or a dichroic color coating.
- **Solite® (Softening)** – Maximum size is 48" x 102" or (1219.2 x 2590.8 mm) and is available in thicknesses of 1/8" (3.175 mm), 5/32" (4 mm), and 3/16" (5 mm). The stipple effect provides obscurity while retaining high transmission values. This is a low iron optically clear glass offering maximum transmission and minimal absorption. It does not yellow over time like plastic, retaining its optical clarity. It can be heat tempered to increase thermal shock resistance and mechanical strength and can be coated with a UV blocking coating or a dichroic color coating.



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- **Industrex® (Diffusion)** – Maximum size is 60" x 132" or (1524 mm x 3353.8 mm) with a thickness of 5/32" (4 mm) and 3/16" (5 mm). This glass provides obscurity and privacy while retaining a high level of light transmission. It is a low iron optically clear glass offering maximum transmission and minimal absorption. It does not yellow over time like plastic, retaining its optical clarity. It can be heat tempered to increase thermal shock resistance and mechanical strength and can be coated with a UV blocking coating or a dichroic color coating.
- **Pattern 62™ (Obscures)** - Maximum size is 60" x 132" (1524 mm x 3353.8 mm) with a thickness of 1/8" (3.175 mm), 5/32" (4 mm), and 3/16" (5 mm). This glass is a diffuser and can be used to project an obscure or uneven pattern. It is also used in backlit applications to diffuse light. It can be heat tempered to increase thermal shock resistance and mechanical strength and can be coated with a UV blocking coating or a dichroic color coating.
- **Skytex (Linear)** – Maximum size is 85" x 65" (2159 x 1651) with a thickness of 5/32" or (4 mm). This linear diffusion glass is ribbed and can be used to spread light horizontally or vertically. It is an ideal solution for diffusing and elongating a beam of light to structures such as columns. It features a 1/8" (3.175 mm) wide linear fluted pattern on one surface and has a 55 degree spread either horizontally or vertically. It can be heat tempered to increase thermal shock resistance and mechanical strength and can be coated with a UV blocking coating or a dichroic color coating.
- **Frosted Glass (Sandblasted)** – is used to soften a beam. This glass is available in regular soda-lime, or low iron soda-lime and sandblasted in any shape, size or thickness. Borofloat® frosted diffusion lenses are available from stock in MR11 1.370" and MR16 1.965". Maximum size is 60" x 132" (1524 mm x 3353.8 mm) with a standard thickness of 3.3mm. It can be coated with a UV blocking coating or a dichroic color coatings, can be heat strengthened, and made available with custom patterns or shapes sandblasted onto the glass.
- **Hexagon Louver** – is commonly used in conjunction with a standard diffusion, colored, and dichroic products to reduce glass brightness from a variety of light sources. It is made from low density, high strength material originally used for structural use in the aircraft industry. Maximum size is 12" x 12" (304.8 x 304.8) with a thickness of 1/8" (3mm). It is available in aluminum color or black and can withstand temperatures of up to 350°F.
- **White Flashed Opal** – is a colorless base soda-lime glass which is fused to a thin white flashed layer. Using White Flashed Opal, one can create an ambiance in diffused lighting similar to daylight with very little shadow. It has an average transmission of approximately 35%, can be heat strengthened or tempered, is scratch resistant, non-deforming, and non-combustible. It is available in sizes up to 32.5" x 27.875" (825.5 x 708 mm) and in thicknesses of 3mm and 6mm.

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Other patterned glass available for aesthetic uses includes Croco Droplet, Ice Block, Rain, and Solex Waterglass, additional patterns and styles can be requested, but are considered custom.

About Abrisa Technologies: [Abrisa Technologies](http://www.abrisatechnologies.com) is headquartered in Santa Paula, California and is comprised of three divisions that provide precision optical products and services. The divisions include; Abrisa Industrial Glass, Inc., Sycamore Glass Components, and ZC&R Coatings for Optics. As a market leader in optical coatings and high quality precision glass fabrication, Abrisa Technologies is dedicated to providing premier customer service and cost-effective products that fit each customer's exacting requirements. www.abrisatechnologies.com

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