

NEWS **Release**



ABRISA Technologies

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Abrisa Technologies Stocks a Broad Selection of Schott Borofloat® and SUPERMAX® for Diverse Optics Applications

Santa Paula, CA – Abrisa Technologies, a premier optics solutions provider, stocks and distributes a broad selection of [Schott Borofloat®](#) from 0.7mm thick up to 25.4 mm thick. This highly chemically resistant borosilicate glass has a low thermal expansion due to the float method of manufacturing by Schott. This flat glass is highly resistant to water, neutral acidic and saline solutions as well as to chlorine, bromine, iodine, and organic substances.

Sheet sizes available from Abrisa Technologies include:

- 1150mm x 850mm - for 0.7mm to 25.4mm thickness
- 1700mm x 1300mm - for 16.0mm to 21.0mm thickness
- 2300mm x 1700mm - for 3.3mm to 15.0mm thickness



In addition to Schott Borofloat®, Abrisa Technologies stocks Schott SUPERMAX®, an ultra thick, rolled borosilicate glass, the benefits of which include low thermal expansion, high thermal resistance, excellent light transmission, and impressive chemical durability. It is a low density glass that is 12% lighter than soda-lime glass, and is available from stock in thicknesses up to 57.2mm and up to 66.7mm on order. It is an environmentally friendly glass made of non-hazardous inorganic and natural raw materials. Highly versatile, this material is well-suited for a broad array of [optics applications](#).

Standard sheet sizes available from stock from Abrisa Technologies include:

- 1000mm x 1500mm – for 34.9mm and 57.2mm thickness (alternative thicknesses from 28.6 up to 66.7 can be ordered)

Borofloat® and SUPERMAX® glass can undergo the following [glass fabrication](#) processes at Abrisa Technologies:

- Cutting
- Edge work – ground or polished, faceted, or arressed
- Dubbed and radiused corners
- Drilling
- Surface polishing
- Screen printing and sand blasting
- Can be thermally and chemically strengthened
- Coating applications – anti-reflective, ITO, Cold Mirror, Hot Mirror/ IR Blocker, Dichroics

- more -

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Borofloat® has a low specific weight in comparison to soda-lime glass, and is consequently well-suited for applications where weight limitations are a consideration. The glasses low thermal expansion and its high thermal shock resistance as well as its ability to withstand temperatures up to 450°C for long periods of time make Borofloat® ideal for applications where temperature stability is a must.

As far as optical properties, Borofloat® is a clear, transparent, colorless glass, with excellent transparency both in the ultraviolet and also in the visible and near infrared range of light. Its extra low inherent fluorescence or light emission, combined with very good surface quality, flatness, and homogeneity allow it to be utilized for a wide-range of applications for optics, opto-electronics, photonics, and analytical equipment.

Due to its low alkali content, Borofloat® acts as a high-power insulator, and is therefore a suitable material for applications where good non-conductive properties at temperatures up to 450°C are called for.

Typical applications include:

- Photovoltaics – glass for solar collectors
- Optical filters
- Lighting – protective panels for spotlights & high power floodlights
- Medical Technology – microscope slides, DNA sequencers, micro-fluidic systems and more)
- Display glass & wafers
- Sight glasses

Borofloat® can be easily cleaned with nearly any commercially available glass cleaner. Abrasive sponges, scouring powders, or other abrasive cleaners should not be used on Borofloat as they can cause damage to the surface of the glass.

Abrisa Technologies can supply Schott Borofloat® and SUPERMAX® in low and high volume quantities to service both small and large users with their exact Borofloat® and SUPERMAX® requirements.

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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