High Ion-Exchange (HIE) Chemically Strengthened Thin Glass from Abrisa Technologies is Scratch, Impact and Shock Resistant

Santa Paula, CA – Abrisa Technologies’ High Ion-Exchange or HIE thin glass is chemically strengthened in a post-production chemical process, greatly increasing the strength of the glass significantly over that of float glass. The ion-exchange process creates a deep compression layer on the surface of the glass structure, resulting in a highly scratch, shock and impact resistant end product.

This thin, strong, and flexible glass is extremely durable and damage resistant making it ideal for use in electronic devices such as smartphones, tablets, PCs, displays, touch screens, TVs, and a host of other electronic device applications.

The HIE ultra-tough, high performance thin glass allows for very sleek touch screen and display devices with improved brightness and touch sensitivity.

In addition to custom fabrication, durable anti-reflective coatings can be applied for improved screen readability in bright light conditions whether indoor or outside in sizes up to a 27” diagonal; larger sizes may be available. Indium Tin Oxide (ITO) and Index-Matched ITO coatings can be applied to the HIE glass for EMI shielding and heater panels for displays in medical and defense environments.

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According to Jim Veler, President and CEO of Abrisa Technologies, “One of our unique capabilities as an optics manufacturer, is our ability to provide integrated solutions.” He further states, “By integrated, I mean that Abrisa Technologies can not only provide the HIE glass substrate, we can fabricate it to the size and shape desired as well as provide durable thin film coatings for a complete optics solution.”

About Abrisa Technologies: Abrisa Technologies 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