

# NEWS **Release**



## **ABRISA Technologies**

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## **Damage Resistant HIE Glass Ideal for Display & Touch Screen Cover & Back Plate Glass**

Santa Paula, CA – High Ion-Exchange (HIE™) aluminosilicate glass is a strong, lightweight, colorless and flexible glass that achieves high levels of damage resistance for scratch, break, impact and shock combined with good optical clarity. It is an excellent choice for use as protective enhancement glass for display, imaging and sensor systems where low profiles, low weight, portability and environmental robustness is desired.

Abrisa Technologies offers in house custom fabrication to shape the specially designed materials followed by the unique High Ion-Exchange (HIE™) salt bath chemical strengthening processes to achieve very high surface compressive strength and depth of layer. Total Solution Enhancements with easy-to-clean oleo/hydrophobic optical coatings, ceramic frit graphics and bus bars are also available.



According to Lisa Tsufura, Product Manager, “HIE™ glass has many advantages. It is thin, lightweight and has a low profile, while being scratch, crack, break and shock resistant. Additionally, HIE™ glass has up to 20X the compressive strength of conventional soda lime float glass.”

Abrisa Technologies supplies HIE™ glass substrates to meet various specifications from:

- Asahi (AGC) Dragontrail™
- Corning® Gorilla® Glass
- SCHOTT Xensation™

HIE™ glass is ideal for a display and touch screen cover and back plate applications such as projected capacitive (PCAP) touch, surface acoustic wave (SAW), acoustic c pulse recognition (APR), multi-touch, optical touch and projected displays. HIE™ glass is also suitable for protective window applications such as image sensors, scanner beds, instrument displays and gauge displays. HIE glass also is excellent for a wide array of break resistant optical components.

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Damage Resistant HIE Glass

Abrisa Technologies stocks HIE™ glass in thicknesses of 0.4mm through 2mm and in sizes up to 36" s 29" (914 x 736.6mm) with non-standard sizes and thicknesses available for application specific requirements.

Lisa Tsufura Further adds, "Custom options include precision machining and fabrication of the HIE™ glass, addition of Oleo/hydrophobic properties, a wide array of optical coatings such as anti-reflective (AR) and custom frit screen printed graphics."

Abrisa Technologies is a recognized global supplier of high quality, fabricated glass components, optical thin film coatings, and custom glass solutions for a wide variety of industries. From our US based Abrisa Industrial Glass fabrication facility in Santa Paula, CA and our ZC&R Coatings for Optics division in Torrance, CA we serve diverse industries such as microelectronics and displays, semiconductor, military, automotive, aerospace, medical, biomedical and scientific R&D. We provide custom specialty flat glass and coating products for applications such as: flat panel display, touch and gesture recognition; visible to IR imaging and surveillance; entertainment, indoor and outdoor lighting; advanced instrumentation; and photonics.

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