

NEWS **Release**



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“Dynamic” Deadfront Interface Panel Glass for Sleek, Uncluttered Visuals

Santa Paula, CA – Abrisatechnologies now provides “Dynamic” Deadfront Interface Panel Glass solutions that afford equipment designers greater flexibility in achieving the overall clean lines and sleek uncluttered aesthetics they seek. When backlit, the “Dynamic” Deadfront panel illuminates and draws attention to icons and alpha-numeric indicators as required. When non-backlit, the icons remain hidden and the panel retains a more monochromatic and streamlined look, in perfect keeping with the dashboard or device they are installed into.



According to Lisa Tsufura, Product Manager at Abrisatechnologies, “We offer complete solutions for Deadfront Interface Panel Glass including, custom fabricating and shaping, chemical strengthening or heat tempering, anti-glare sunlight readable coatings, oleophobic and anti-scratch coatings as well as proprietary screen printed graphics for control of contrast and luminosity.” In addition, Lisa states “The deadfront graphics are highly durable. They can operate at temperatures up to 400°F and have passed crosshatch razor scribe classification 4B, 5B as well as an acetone rub test as per ASTM D3359.”

The deadfront graphics can be applied to the glass substrate with transmission levels of 5% or 10% as specified with black ink as the standard color. White ink is optional with PMS color matched inks also available. The minimum feature size for the backlit panel features such as icons and alpha-numeric characters is 0.005” in line width. Deadfront panel glass can be specified in sizes as small as 0.3” x 0.3” and as large as 18” x 24”. The glass thickness for the deadfront panels can be as thin as 0.03” with a maximum thickness up to 1”.

Deadfront panels can be fabricated from Abrisatechnologies’ large selection of float, low expansion Borofloat® 33 or highly durability High Ion-Exchange (HIE) aluminosilicate flat glass. The selected glass can then be chemically strengthened or heat tempered in-house. Additional fabrication services include; cutting, shaping, hole drilling, slotting, beveling, grooving, and custom CNC machining.

In addition to Abrisa Technologies’ fabrication services, other value-added options for customizing deadfront panels to the requirements of each application can be added such as; anti-reflective (AR) coatings and anti-glare coatings for readability, oleophobic anti-smudge, anti-print coatings for easy cleaning and anti-scratch, break resistant glass and coatings for extreme durability.

Lastly, Lisa concludes, “Our ready-to-install, Deadfront Interface Panel Glass provides a complete solution. From our vast selection of glass substrates to fabrication, strengthening, coating, and screen printing our full service capabilities for these stylish and functional glass panels is unequalled.”

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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