

Application Note

ClearView™ Theater Projection Port Glass Windows

Projection Port Glass Provides Eye Popping Optical Clarity for on-Screen Viewing

Typical Lead Time is 1 Week from Order Placement

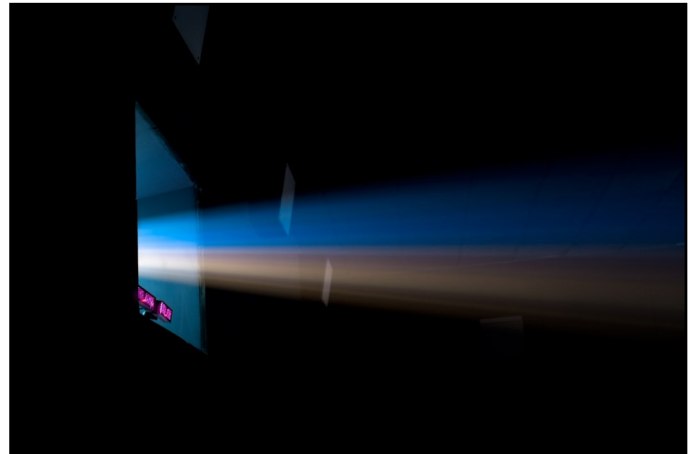
Advanced optical technology for projection port windows became a necessity with the introduction of digital projectors. Port glass windows can be found in IMAX® Theaters, digital cinemas, 3D projection technology, entertainment centers, home theaters, and even museum settings.

The purpose of projection port windows is to allow light, contrast, and color to optimally project to the viewing screen. Regular glass absorbs colors and brightness of projected light, dulling the viewed image seen on the screen, creating image quality that can be quite poor.

Abrisa Technologies' ClearView™ projection port window glass is fabricated using an optically clear, colorless glass with a 2-sided, multi-layer broadband anti-reflective coating, increasing transmissivity thereby ensuring a high quality, bright and sharp screen image. Transmission rate is between 98% and 99%. Optical performance is the key factor in selecting a projection port window and ClearView™ has the essential optical qualities for eye popping clarity on screen.

Theater Projection Port Glass Windows are available in the following thicknesses:

- 3mm or 1/8"
- 6mm or 15/64"
- 10mm or 25/64"
- 12mm or 15/32"



Custom sizes available with dimensions as large as 120" x 82" consult factory for more information at: info@abrisatechnologies.com

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Glass Fabrication



Coating Deposition



CNC Machining



Strengthening - Chemical & Heat



Screen Printing of Graphics



Abrisa Technologies, a member of HEF Photonics, is a globally recognized technology glass fabrication and optical thin film coating company with expertise in high volume manufacturing and engineering capabilities, delivering Total Solutions that provide excellent performance, fitness-for-use and economies of scale.

Our US based, state-of-the-art ISO 9001:2015 and ITAR registered facilities include Abrisa Industrial Glass in Santa Paula, CA and ZC&R Coatings for Optics in Torrance CA. These two divisions produce solutions from cut-to-order coated glass components to custom complex and ready-to-install fabricated, strengthened, optically coated, electronically enabled and branded sub-assemblies.

Our Total Solutions serve a variety of markets including Micro-Electronics, Defense and Avionics, Display, Industrial Automation, Optical Sensors, Imaging, Photonics, Medical & Dental, Life Science and more.



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