

FYRETEC



FIRE-RATED STEEL WINDOWS



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Fyre-Tec's line of steel window products has been developed and enhanced for over 50 years through innovative design and best practice manufacturing in order to meet the increased demand in the marketplace. These improvements and approved design reconfigurations have enhanced fire protection and ANSI/AAMA performance ratings.

What sets us apart is our slimmer frame/sash design which in turn allows for more natural light, various options of Fixed and Operable fire-rated windows, competitive lead times and quality manufacturing. All our fire-rated products are U.L. classified and listed.

Architects, builders and building owners now have the opportunity to design increased floor space and greater revenue into building sites with the use of our U.L. Labeled Fyre-Tec fire-rated products and continue the sight line, color and configuration of window products with our Non-Rated line of window products on the same project.

Fyre-Tec is a registered Women Owned Small Business (WOSB) that is operated by local family ownership with daily involvement extending across all parts of the business. Further, ownership is obsessively passionate about continuing the success of providing a premium safety product with unparalleled service to our customers. Our standard will be for a continual dedication to the enhancement and upgrading of existing products and working closely with code officials insuring our products meet and exceed local, national and international codes.



SAFETY, DESIGN AND A BETTER SIGHTLINE.

FYRE-TEC FIRE-RATED WINDOWS

HORIZONTAL SLIDER, SINGLE HUNG, FIXED LITE, AWNING AND CASEMENT

The Fyre-Tec window is a clean, precisely designed steel Horizontal Slide, Single Hung, Fixed Lite, Awning or Casement window. Construction is formed steel sections with welded corners which make our products exceptionally strong and long-lasting.

All Fyre-Tec fire window frames are Listed by Underwriters Laboratories under the category of Door and Window Frames (GVTV). The standard used to evaluate the windows is UL 9, Fire Tests of Window Assemblies.

The Fyre-Tec window is the preferred design when steel fire-rated windows are specified in building code requirements.

Automatic heat closure devices (Heat activated fusible links) are standard for all operating windows. Horizontal Sliding windows may also be equipped with a resettable device which may be activated by a fire or smoke alarm, computer or other electrical signal. They provide even greater building and occupant safety.

Fyre-Tec windows are also ideal as replacement windows for older buildings that are required to meet code stipulations.

Our windows are aesthetically compatible with all types of architecture and with adjacent windows and doors in the building. For replacement or new construction, the field-proven steel Fire-Rated Window is Fyre-Tec.

Sub-frame mounting or fin system mounting kits are supplied with all windows. The sub-frame mounting system is ideal for either retrofit or new construction. The window openings may be finished out prior to the installation of the provided sub-frame and window. The fin system is designed to allow installation of the window into the construction framing and subsequent trimming to the window.

Fyre-Tec windows accommodate a variety of UL fire rated glazing. All Fyre-Tec rated windows are factory glazed with clear ceramics (1 hour labeled) or optional wire glass (45 minute labeled). In addition Insulated Glass Units are available with optional Low-E glazing to reduce the infrared and ultraviolet light that comes through the glass and can be furnished with a variety of tints, muntins and grid options.



THE DIFFERENCE

Customers consistently choose a fully UL listed assembly over a traditional hollow metal frame due to aesthetic beauty, increased code compliance, peace of mind of a fully rated product and flexibility of a full line of operable rated windows.



FYRE-TEC | COMPETITOR

Our proprietary slim frame and sash design allows more natural light in and provides an enhanced viewing experience. In fact on a traditional 3'x5' picture window assembly our window on average can offer as much 10% more light by offering a frame configuration that is 60% thinner than traditional hollow metal frames while not sacrificing durability. The point... Your building doesn't have to look like an industrialized prison in order to meet code compliance. Further, this allows our windows to better "blend in" with the overall window package across the building envelope.

We provide a complete UL Listed product that provides end users with full peace of mind knowing all components have passed required testing as an assembly. Our assemblies come with a full 3 year warranty of all-inclusive materials.

By providing a full line of operable windows an end user is not restricted to a standard fixed lite which greatly enhances the design options and functionality of your project.

CONSTRUCTION

All Fyre-Tec architectural steel windows incorporate a narrow site line and are manufactured from first grade materials. Our quality control procedures assure the end user a product designed for many years of productive service.

Frame members are fabricated to form tight miter joints, secured by welding. Sill members incorporate weeps to allow for water drainage. Frame members accommodate optional framing and trim attachments (fins, channels or casing trim).

Panel and insert members are fabricated with tight miter joints and secured by welding. They incorporate pile-type weather-stripping with an integral sealing fin around the entire perimeter. Meeting rail members incorporate full length mechanical interlocks which engage in the closed position. Horizontal sliding inserts incorporate an adjustable steel ball bearing roller assembly at each bottom corner. Single-hung panels are supported on both jamb sides with heavy-duty spring balances. Fixed inserts pocket into frame members and are secured in place with anchoring clips. Muntins, when

required, are welded in place to become an integral part of the panel or insert.

Windows are fabricated from galvanized cold rolled steel sections. These proprietary sections are roll-formed from prime galvanized steel into shapes designed to impart strength and durability. Additionally, the tightly formed sections allow the Fyre-Tec window to again offer a narrow site-line allowing for maximum glass (lite) area while maintaining the strength necessary for a rated window.



FIRE-RATED GLASS

CLEAR CERAMIC FIRE RATED GLAZINGS

As an alternative to the standard wire glass commonly supplied for rated windows the newer clear ceramics offer unobstructed viewing, eliminating the more industrial look of wired glass. With the use of approved spacers, these products may be combined with a variety of commonly available float glasses to make up insulated glass units that are fire rated. These IGUs can also be complimented with the use of Low-E, tints and various muntin patterns. Finally, these glazing products are also available as a laminated or with a safety film applied to the interior surface which will meet the requirements of CPSC 16CFR1201 (Cat I and II)



FYRE-TEC COLORS

Fyre-Tec Standard Colors are offered as a Polyester Powder Coat applied to the galvanized substrate following a thorough automated cleaning and a conversion coating. Custom color matches are also available.



Note: Color may vary from presentation. For more information on colors and Fyre-Tec, visit us online @ [Fyre-Tec.com](https://www.fyre-tec.com).

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