

# FR8600 Series

## 45 MINUTE FIRE-RATED FRAMES

Optimum has revolutionized the construction industry by offering the most comprehensive line of steel fire rated windows. Today, we are one of the largest and most efficient manufacturers in our field, with fire rated products ranging from 20 to 90 minutes. Optimum's multiple window and door series are used in non-temperature rise applications and through various glazing options can be modified to address most fire rated applications.

### FEATURES

- 45 minute fire rating
- All Cold Rolled sections are formed from GALVANIZED STEEL
- UL (Underwriters Laboratories) Listed and Certified
- EPDM and Silicone Pile Weather-Stripping
- Mitered, corner keyed frame and sash joinery
- 2 3/16" exterior frame depth
- Glazing is held in place via mechanically fastened steel glazing beads
- Can accommodate glazing ranging from 3/16" to 1" in O.A. thickness
- Insulated glazing available for this series
- All FR8600 Projected windows will be factory glazed, unless ordered otherwise
- 1 cam lock at center of sash up to 36", two sweep locks thereafter
- Standard Optimum Window colors (refer to OWM color chart)
- Units arrive with installation straps (upon request)

### OPTIONS

- Custom color from RAL colors.
- Non metallic color matches are optional & available upon request
- Steel Break Metal trim
- Limited Operation Stops are available
- Screens for projected in windows

### STANDARD WARRANTIES

- 10 year warranty on the finish
- 1 year on the parts

### LISTINGS

Listed and labeled by Underwriters Laboratories Inc. and Underwriters' Laboratories of Canada. Test report for labeled 20/45 minute fire-rated frame assemblies is UL file NO. R-12349. Frame tests performed in accordance with ASTM E283, ASTM E331 & ASTM E330. Approved for use in New York City, MEA# 151-91-M

### GENERAL TEST RESULTS AND / ADIMENSIONAL LIMITATIONS

Hour Rating	Min Frame Dim.	Max Frame Dim.	(Air) ASTM E283 @ 6.25psf	(Water) ASTM E331 @5.0gph / ft2	Uniform Load ASTM E330	Max. Vent Dim.	Max. Wire Gl's Dim.	Max. Safety Gl's.	Max. Ceramic Gl's.
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**CALL FOR INFORMATION**

**\*Note: Test specimen size 48" x 96"**