

FR7600 TSS 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
- 4 ¼" exterior frame depth
- EPDM and Silicone Pile Weather-Stripping
- Frames are coped and mechanically assembled
- Glazing is held in place via mechanically fastened steel glazing beads
- Can accommodate glazing ranging from 3/16" to ¾" in O.A. thickness
- Insulated glazing available for this series
- All FR7600 TSS windows will be factory glazed, unless ordered otherwise
- 1 Sweep lock at center of sash up to 36", two sweep locks thereafter
- 1 Self Latching handle
- Standard Optimum Window colors (refer to OWM color chart)
- Units arrive with installation straps (upon request)

OPTIONS

- RAL colors available as option
- Non metallic color matches are optional & available upon request
- Steel Break Metal trim
- Half screens for operable sash is available
- Limited Operation Stops are available

STANDARD WARRANTIES

- 10 year warranty on the finish
 - 1 year on the parts
- (Detail information on the warranties is available upon request)

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 Gls Dim.	Max. Safety Gls	Max. Ceramic Gls.
1 ½	n/a	n/a	.25 cfm / ft2	WTP @ 2.89 psf	60 psf	n/a	n/a	optional	950 sq in
1	n/a	n/a	.25 cfm / ft2	no leakage	interior	n/a	n/a	optional	2496 sq in
¾	30" x 20"	72" x 72"	.25 cfm / ft2	leakage	exterior	32" x 70"	1296 sq in	optional	2496 sq in

This information is intended for general reference only. For current listing details, please call Optimum Window Mfg. Corp.

***Note: Test specimen size 60" x 48"**