

FR4700 Casement

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
- Solid Steel Sections
- UL (Underwriters Laboratories) Listed and Certified
- Fully Weather Stripped
- 2 1/8" exterior frame depth
- Mitered and fully welded frame construction
- Glazing is held in place via mechanically fastened steel glazing beads
- Can accommodate glazing ranging from 3/16" to 3/4" in O.A. thickness
- Insulated glazing available for this series
- All FR4700 series casement windows will be factory glazed, unless ordered otherwise
- 1 cam lock at center of sash up to 36"
- Standard Optimum Window colors (refer to OWM color chart)
- Units arrive with installation straps (upon request)
- All units will receive Zinc Enriched Primer and Powder Coated finish

OPTIONS

- RAL colors available as option
- Non metallic color matches are optional & available upon request
- Steel Break Metal trim
- Screens for interior casements only

STANDARD WARRANTIES

- 10 year warranty on the finish (see paint maintenance manual)
- 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 Gls Dim.	Max. Safety Gls	Max. Ceramic Gls.
1 ½	n/a	n/a	.06 cfm / ft2	WTP @ 6.24 psf	120psf	n/a	n/a	optional	n/a
1	n/a	n/a	.06 cfm / ft2	no	interior	n/a	n/a	optional	n/a
¾	18" x 24"	36" x 60"	.06 cfm / ft2	leakage	exterior	36" x 60"	1296 sq in	optional	1792 sq in

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

***Note: Test specimen size 30" x 60"**