

Fire-Rated Doors & Frames

FR Series All-Fiberglass Doors and Frames from Special-Lite

The FR Series all-fiberglass doors are available with smooth, pebble grain or sandstone-textured face sheets and fire ratings from 20 to 90 minutes. Tested in accordance with UBC 7-2, NFPA 252 and UL 10C requirements, the FR Series have passed the 1-1/2 hour positive pressure test, hose stream test, and 250 degree temperature rise tests, and are labeled by Intertek.

Features & Benefits

- Singles or pairs up to 4' x 8' maximum net size per leaf.
- Smooth, pebble grain or sandstone-textured FRP door face sheets with smooth door edges.
- Smooth face sheets contain high-gloss two-part aliphatic polyurethane finish, or acrylic primer only.
- Intumescent tape concealed under door edges for clean appearance.
- Fire-rated mineral core with edge blocking for superior screw holding.
- Stainless steel vision lites provided by Special-Lite or others.
- Smooth door is identical in appearance to AF-100 Series Doors with no metal edges. Painted finish only.
- Pebble grain and sandstone-textured face sheets are identical in appearance to AF-200 Series Doors with no metal edges and face sheets are through-colored or painted.



FR Series Fire Door & Frame Models

Door Model	Face Sheet
FR-20, 45, 60, 90	Smooth
FR-20P, 45P, 60P, 90P	Pebble grain FRP
FR-20S, 45S, 60S, 90S	Sandstone-textured FRP

Frame Model	Wall	Depth	Face	Head
FR Series Pultruded Framing	1/4"	5-3/4" and 6-3/4" (immediate door frame only)	2"	2"

Fire-Rated Framing

Pultruded fire-rated framing with a depth of 5-3/4" or 6-3/4" with 2" heads is available to provide a complete door system for industrial locations requiring fire-rated doors and frames. FR Series Doors and Frames are covered by a 10-year parts and labor warranty.

Hardware Guidelines:

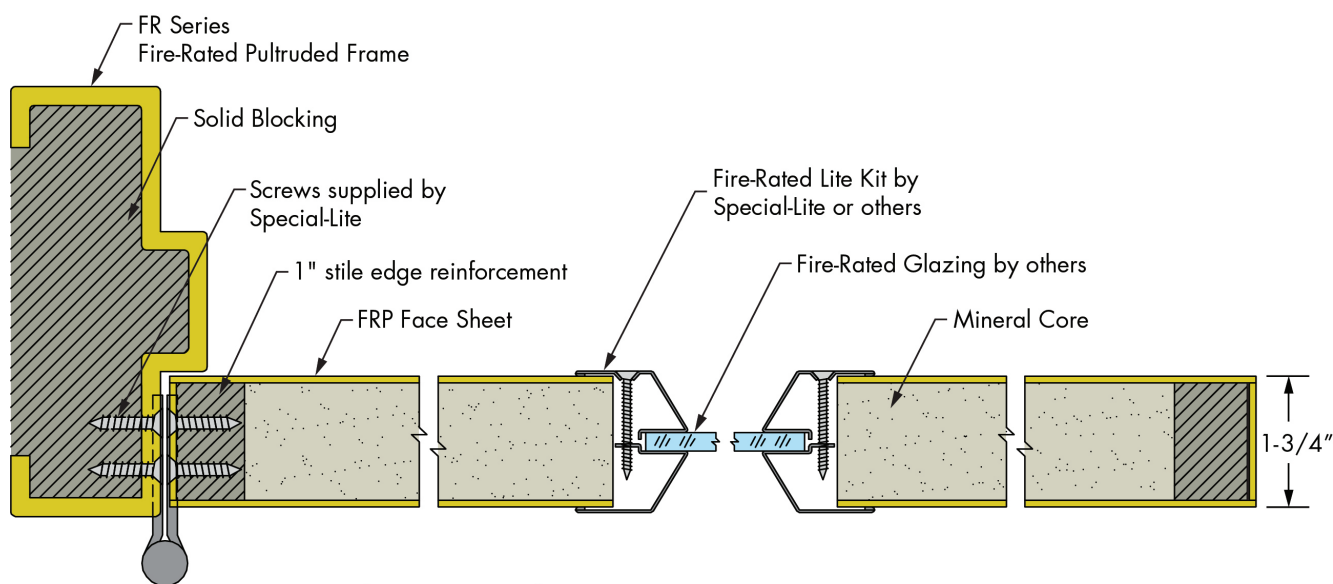
All doors must be self-latching. All hardware must be listed for use on fire-rated doors. Maximum undercut above threshold is 3/4". Wire chase of 3/8" x 3/8" provided for electrified hardware. Butt hinge preps only – rated hinges by others. All hinge fasteners are supplied and provided fasteners must be used. Vision lites can be up to 616 sq. in. DLO per lite and 1232 sq. in. per door for 60-minute doors. Vision lites must be at least 6" from DLO to hardware. Maximum vision lite size in 90-minute doors is 100 sq. in. DLO.

Hardware types that can be used:

- Flush bolts
- Surface vertical rod exit device
- Rim exit device
- Mortise lock
- Cylindrical lock
- Surface closer
- Butt hinges
- Fire-rated stainless steel vision lite kits
- Fire-rated glazing of any type in 1/4" thickness
- Fire-rated louvers up to 524 sq. in.
- Kick plates up to 16" in height
- Fire-rated mullions

Hardware types that cannot be used:

- Hold opens
- Concealed vertical rods
- Continuous hinges



Fire-Rated FRP Door & Frame