

## Fire-Rated FRP-Clad Door



### Match the finish of our FRP entrance doors with the SL-21 Fire-Rated Door

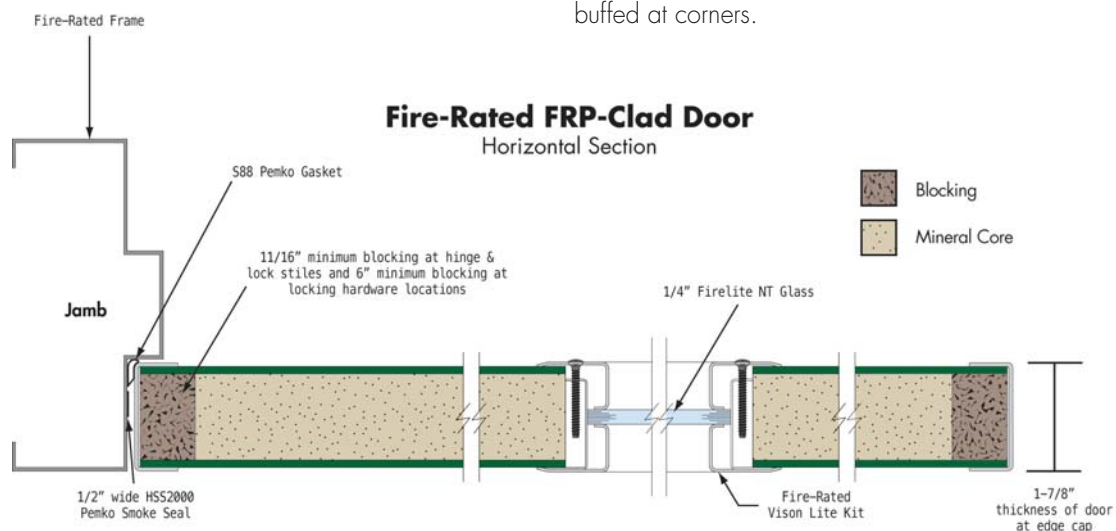
The Special-Lite® SL-21 Fire-Rated FRP-Clad Door is the perfect complement to our FRP (Fiberglass Reinforced Polyester) entrance doors for interior or exterior applications that require a 90-minute fire door. Tested in accordance with UBC 7-2, NFPA 252, and UL 10C requirements, the SL-21 has passed the 1-1/2 hour positive pressure test, hose stream test, and 250 degree temperature rise tests to achieve Warnock Hersey listing for fire-rating applications in the U.S.

The SL-21 is available in 30, 45, 60 or 90-minute rated versions, as singles or pairs up to 4' x 8' per leaf, subject to limitations. Face sheets can be specified in any of our standard FRP colors, or painted any color. Class C face sheets are standard. Class A can be specified for interior applications.

Enjoy the benefits of design flexibility, custom fabrication, fast and reliable order lead times, single-source convenience and quality workmanship, all backed by a hassle-free, 10 year, parts & labor Special-Lite warranty.

### Construction

The SL-21 Fire-Rated FRP-Clad Door features the same FRP face sheets as our SL-17 Door bonded to a mineral core with a perimeter designed for secure hardware attachment. Edge capping and vision lite kits are natural finish stainless steel similar in appearance to clear anodized aluminum. Edge capping is screw-applied, welded and buffed at corners.



# SL-21 Fire-Rated FRP-Clad Door

## Application Guidelines

- When using mortise locks, flushbolts, surface vertical rods or surface vertical rods less bottom rods with a 90-minute rating, the maximum size is 7' x 7'4".
- Pairs with mortise lock and flush bolts, surface vertical rods, or surface vertical rods less bottom rods require a fire-rated astragal.
- Available with wire chase.
- Requires fire-rated hardware, including mullions and exit devices, supplied by Special-Lite or others. Hinges must be secured to door with fasteners supplied by Special-Lite.
- Requires fire-rated framing and field installation of smoke seal and gaskets supplied by Special-Lite.
- Vision lites must be fire-rated, and can be supplied by Special-Lite or others. Fire-rated wire glass can be used in vision lites up to 100 sq. inches. Ceramic glass must be used in vision lites over 100 sq. inches. Vision lite must be at least 6" from DLO to hardware. Standard vision lite kit sizes available are: 4" x 25", 6" x 28", 10" x 10", 22" x 28". 1" glass is not available.
- Fire-rated Louvers may be installed in doors up to 576 sq. inches.

## Hardware Compatibility

	USE	DON'T USE
SINGLE	Rim exit device Mortise lock Cylindrical lock Surface closer Butt hinges Continuous hinge Kick plate up to 16" in height	Hold open Concealed vertical rods
PAIRS	Rim exit devices with fire-rated mullion Surface closers Butt hinges Continuous hinges Kick plates up to 16" in height Flush bolts & Mortise locks Surface vertical rods Surface vertical rods less bottom rods	Hold open Concealed vertical rods

