



Design Standard Fiberglass Reinforced Polyester Exterior Doors

Purpose:

SSFUSD has standardized on fiber reinforced polyester doors for its exterior, non-storefront type doors. The FRP door design standards cited herein are intended to establish and maintain a minimum level of exterior door quality in the educational and work facilities of South San Francisco Unified School District buildings.

The District has standardized on Special-Lite FRP doors, for the following reasons:

1. Greenguard Certification ensures better indoor air quality.
2. Modern materials and durable construction reduce lifecycle cost.
3. Lightweight doors extend the life of the entire entrance system.
4. Durable finishes reduce maintenance costs and health risks.
5. Easy cleaning with green cleaners protects indoor air quality.
6. Better thermal performance helps reduce energy usage.

Design Standard:

- **Exterior Doors**

Exterior doors that are not storefront type doors shall be fiberglass reinforced polyester doors:

- Special-Lite SL-17 FRP-Clad Door, in a pebblegrain finish, with SL-120 adjustable continuous hinges (continuous contact is more secure, and provides a durable hinge that holds up well to decades of use. The adjustability feature allows it to be used in new or existing frames that are out of level or sag over time).
- Special-Lite fire-rated SL-21 FRP-Clad Door should be specified for applications that require a fire-rated door.
- Specify concealed adjustable bottom brush.

- **Frames**

The design professional shall select the appropriate frame for new construction, retrofit installations, or retrofit replacements.



South San Francisco Unified School District



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Version 1, 2011.9.30

- **Finishes**

Two finish colors must be specified for each door: the FRP color and the metal frame color. Color is integral so the doors will not need to be painted over time. The design professional shall consider the building exterior as a whole.

- o If only some of the doors are being replaced, choose an FRP/frame finish that matches the doors that will be left in place.
- o If the entire exterior is receiving new doors, consider the previous projects on the campus and follow the established FRP door/frame color combination.
- o The metal frame color will be Clear Anodized Aluminum, Dark Bronze Anodized Aluminum or the Kynar paint color to match the door.

Approved Manufacturers

- o Special Lite SL-17 or SL-21

Substitutions allowed?

- o Yes, if performance and quality equivalency can be evidenced.

Associated Design Standards

- o N/A

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