

SECTION 08 16 13
FIBERGLASS REINFORCED POLYESTER EXTERIOR DOORS
Design Standard

PART 1 GENERAL

1.1 PURPOSE:

Exterior doors play an important role in the building envelope, and are perhaps the most intimately experienced element of the building envelope, because they are used daily to enter and exit the building. Doors should be inviting, easy to find, easy to use, durable and maintainable, add aesthetic value to the building envelope, allow authorized entries while prohibiting unauthorized entries, and separate the "inside environment" from the "outside environment" of a building. SMCCCD 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 San Mateo County Community College District buildings.

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

- A. Greenguard Certification ensures better indoor air quality.
- B. Modern materials and durable construction reduce lifecycle cost.
- C. Lightweight doors extend the life of the entire entrance system.
- D. Durable finishes reduce maintenance costs and health risks.
- E. Easy cleaning with green cleaners protects indoor air quality.
- F. Better thermal performance helps reduce energy usage.

PART 2 PRODUCT

2.1 EXTERIOR DOORS

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

- A. Special-Lite SL-17 FRP-Clad Door, in a pebblegrain finish, with SL-11 continuous hinges (continuous contact is more secure, and provides a durable hinge that holds up well to decades of use).
- B. Special-Lite fire-rated SL-21 FRP-Clad Door should be specified for applications that require a fire-rated door.

2.2 FRAMES

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

- A. Generally, specify an aluminum tube frame 2'x6' size.

2.3 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.

- A. If only some of the doors are being replaced, choose an FRP/frame finish that matches the doors that will be left in place.
- B. If the entire exterior is receiving new doors, consider the previous projects on the campus and follow the established FRP door/frame color combination.
- C. The metal frame color will be Clear Anodized Aluminum, Dark Bronze Anodized Aluminum or the Kynar paint color to match the door.
- D. The approved choices for the FRP door colors per campus are as follows. Variances from these approved colors must be approved in writing from the Executive Director of Construction Planning and/or the Vice Chancellor of Facilities.

	Cañada College	College of San Mateo	Skyline College
Athletic facilities at field level	Slate Grey (Special Lite)	Slate Grey (Special Lite)	Slate Grey (Special Lite)
All other facilities	Dark Bronze (Special Lite)	Dark Bronze (Special Lite)	Dark Bronze (Special Lite)
	Sandstone (Special Lite)	Sandstone (Special Lite)	Sandstone (Special Lite)
	Hartford Green (Special Lite)	Seawolf (Special Lite)	Seawolf (Special Lite)
	Beige (Special Lite)		

2.4 APPROVED MANUFACTURERS

Special Lite SL-17 or SL-21

PART 3 EXECUTION

3.1 SUBSTITUTIONS ALLOWED?

Yes, if performance and quality equivalency can be evidenced.

3.2 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS

Physical Access Control & Security Management System Design Standard

Section 08 16 13 FRP Flush Doors Construction Specification

END OF SECTION