Special-Lite®

Sandstone FRP
Technical Data

Sandstone FRP Standard Colors

PRODUCT CODE: STDSC

CLASS C FIRE RATING PER ASTM E-84

DESCRIPTION

The sandstone finish panel (STDSC) is a durable fiberglass reinforced plastic (FRP) product. It contains UV stabilizers, modified specifically for exterior use. It will not mildew, rot, or corrode and exhibits a high strength-to-weight ratio. It is easy to install and highly bondable.

PURPOSE

The sandstone finish panel (STDSC) is suitable as a general all-purpose exterior panel in a variety of architectural applications, such as doors, fascias, soffits and facades.

APPLICABLE PRODUCTS:

- SL-20 Sandstone Texture Hybrid FRP Door
- AF-220 Composite Fiberglass Door
- SLI-20FR FireSafe20 Door
- SL-20FR FRP/Stainless Steel Fire-Rated Door
- AF-220FR Fiberglass Fire-Rated Door
- AF-220BR³ Ballistic Fiberglass Door
- SL-30 Sandstone Texture FRP Panel
- SL-484 Midpanel for Monumental Doors with Sandstone Texture FRP

DESIGN PROPERTIES

PRODUCT CODE	NOMINAL THICKNESS	FINISH	COLOR				AVAILABLE SIZES
STDSC	0.120" | 3.05 mm	Sandstone	Beige	839	Dark Bronze	836	36"-48" wide; up to 144" long 0.9m-1.2m and 3.7m
			Brick Red	714	Hartford Green	227	
			White	936	Military Blue	350	
			Light Grey	616	Sage Brown	857	
			Slate Grey	650	Seawolf	951	

TYPICAL PHYSICAL PROPERTIES

PROPERTY	REI	TEST METHOD
FLEXURAL STRENGTH	16 x 10^3 psi | 110 MPa	ASTM - D790
FLEXURAL MODULUS	0.3 x 10^6 psi | 4826 MPa	ASTM - D790
TENSILE STRENGTH	14 x 10^3 psi | 97 MPa	ASTM - D638
TENSILE MODULUS	1.0 x 10^6 psi | 6895 MPa	ASTM - D638
BARCOL HARDNESS	40	ASTM - D2583
IZOD IMPACT	7.0 ft-lb/in notched | 0.75 J/mm	ASTM - D256
COEFFICIENT OF LINEAR THERMAL EXPANSION	2.0x 10^{-5} 10/10/°F | 36 µm/m/°C	ASTM - D696
SURFACE BURNING CHARACTERISTICS	Class C	ASTM - E84

COMPOSITION

Reinforcement: Random chopped fiberglass.
Resin Mix: Polyester/styrene copolymer, inorganic fillers, and pigments.

FINISHED PANEL QUALITY

1. Panels shall have a wear side with a consistent pattern. The backside shall be smooth. The backside surface may have some variations which do not affect functional properties and are not cause for rejection.
2. Physical properties shall be as set forth on preceding pages.
3. Dimensions shall be as specified on purchase order, subject to the following tolerances:
   WIDTH: ±1/8" (±3.2 mm)
   LENGTH: ±1/8" (±3.2 mm) up to 12′ (3.7 m)
   SQUARENESS: ±1/8" (3.2 mm) in 48" (1.2 m) of width
4. Product quality standards and tolerances for panel weight and thickness shall be as set forth in Valto's Quality Control Procedures/Standards which are available on request.
5. Panels shall be installed in accordance with manufacturer's guidelines as set forth in the Valto Installation Guide (Form #6876).

CERTIFICATIONS

1. Meets USDA/FSIS requirements.
2. Some products have been tested and meet the requirements FMVSS 302. For a list of products that have been tested to this requirement, see test reports at valtoem.com/support/resources/test-reports/
3. FRP does not support mold or mildew (per ASTM D3273 and ASTM D3274).
4. Meets minimum requirements of major model building codes for Class C interior wall and ceiling finishes of flame spread ≤ 200, smoke developed ≤450 (per ASTM E-84).
5. This panel has earned GREENGUARD® Indoor Air Quality Certification (Certificate #16349-410, 16364-410, 16351-410) greenguard.org. | Varitex

GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

VALTO ENGINEERED MATERIALS

Technical Data provided by VALTO ENGINEERED MATERIALS.
Special-Lite is proud to partner with VALTO ENGINEERED MATERIALS who engineered SpecLite 3® FRP—a proprietary product also referred to as Glasbord with Surfaseal.
valtoem.com

FLAME SPREAD AND SMOKE DEVELOPMENT RATINGS
The numerical flame spread and smoke development ratings are not intended to reflect alleged hazards presented by Valto products under actual fire conditions and this product has not been tested by Valto except as set forth below. These ratings are determined by small-scale tests conducted by Underwriters Laboratories and other independent testing facilities using the American Society for Testing and Materials E-84 test standard (commonly referred to as the "'Tunnel Test"').
VALTO PROVIDES THESE RATINGS FOR MATERIAL COMPARISON PURPOSES ONLY. Like other organic building materials (e.g. wood), panels made of fiberglass reinforced plastic resins will burn. When ignited, FRP may produce dense smoke very rapidly. All smoke is toxic. Fire safety requires proper design of facilities and fire suppression systems, as well as precautions during construction and occupancy. Local codes, insurance requirements and any special needs of the product user will determine the correct fire-rated interior finish and fire suppression system necessary for a specific installation. We believe all information given is accurate, without guarantee. Since conditions of use are beyond our control, all risks are assumed by the user. Nothing herein shall be construed as a recommendation for uses which infringe on valid patents or as extending a license under valid patents. www.astm.org/Standards/E84.htm.

A global leading provider of resilient wall and ceiling coverings. Kemlite® was established in 1954; the company changed names to Crane Composites in 2007, and again to Valto Engineered Materials in 2025. Valto is headquartered in Channahon, IL and all our products are manufactured in the United States. We work with hundreds of distributors, ensuring our products are easily accessible and readily available to our customers.

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