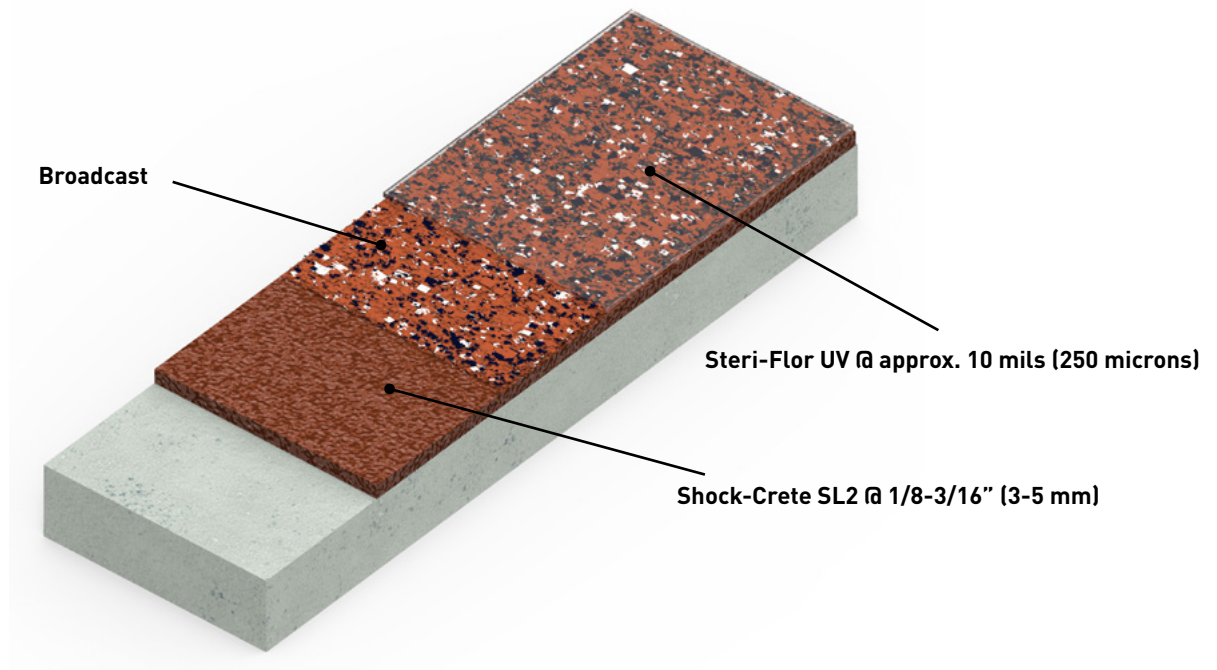


Steri-Crete SLF

(1/8 to 3/16-inch / 3 mm to 5 mm)

SYSTEM INFORMATION SHEET



- » **Contributes toward satisfying credit for low emitting material under LEED 4.1**
- » **Meets SCAQMD Rule 1113 for VOC content**
- » **Meets California Department of Public Health CDPH/EHLB Standard Method Version 1.2 2017**
- » **Thermal shock resistant**
- » **Excellent chemical resistance**
- » **Low Temperature Cure**
- » **FDA and USDA Compliant**
- » **Anti-Microbial Agents are available**

TEST METHOD	RESULTS
Coefficient of Thermal Expansion (ASTM C-531)	2.2 x 10 ⁵
Compressive Strength (ASTM C579)	6,800 psi (47 MPa)
Modulus of Elasticity (ASTM C580)	2.2 x 10 ¹¹ psi
Flexural Strength (ASTM C580)	2,600 psi (18 MPa)
Taber Abrasion* (ASTM D4060)	70 mg
Tensile Bond Strength (ASTM D7234)	Cohesive Failure of Concrete
Tensile Bond Strength (ASTM C307)	1,050 psi (7 MPa)
Density	125 lb/cu.ft (2002 kg/m ³)

* 1,000 gm CS-17 wheel @ 1,000 cycles

Note: Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF)* – Wet ANSI A326.3 of >0.42.

Steri-Crete SLF

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SYSTEM INFORMATION SHEET

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME
Slurry	Shock-Crete™ SL2	1/8" - 3/16" (3 mm - 5 mm)	50 ft² @ 1/8" per 52.4 lb kit (4.6 m² @ 2 mm per 23.8 kg kit) 33-34 ft² @ 3/16" per 52.4 lb kit (3-3.2 m² @ 5 mm per 23.8 kg kit)	Shock-Crete Part A Shock-Crete Part B Aggregate Color Pack	Finishing Trowels Screed Box Short Nap Mohair Roller	16-24 hours
The mixed product should be poured out evenly over the floor and then applied to the desired thickness with a notched squeegee, notched trowel, or gauge rake. A trowel is then used to remove the traces of the squeegee or joins between mixes. Spike roll the material to aid leveling, air release, and to bring resinous material to the surface to accept broadcast media.						
Broadcast	Acrylic Flakes	N/A	Approx. 1/2-1 lb per ft² (0.02-0.04 kg/l²)	40 lb (18 kg) box	N/A	N/A
A full flake broadcast is recommended . Broadcast desired flake blend into wet material until rejection. After coating has reached walk-on cure time remove excess flakes and apply desired topcoat.						
Groutcoat	Steri-Flor UV	10 mils (250 microns)	150 ft² / gallon (3.7 m² per liter)	Steri-Flor UV Part A Steri-Flor UV Part B	Squeegee Short Nap Roller	11 hours (min) 72 hours (max)
The mixed product should be immediately poured directly onto the floor in ribbons and spread to desired thickness with a flat bladed squeegee. After spreading the material to the proper thickness, roll with a short nap roller to level.						
Topcoat (Optional)	Sealer 985	10-15 mils (250-375 microns)	102-152 ft² / gallon (2.5-3.7 m² per liter)	Sealer 985 Part A Sealer 985 Part B	Short Nap Roller	2 hours
An optional topcoat can be added for easier cleanability or lower desired texture.						

ALTERNATE TOPCOATS

PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT
Sealer 30	Aliphatic Polyurethane	4-5 mils (100-125 microns)	250-300 ft² per gallon (6.1-7.4 m² per liter)	Sealer 30 Part A Sealer 30 Part B	Short Nap Roller
Sealer 50	Fluoropolymer Urethane	1.5-2 mils (38-50 microns)	240-320 ft² per gallon (6-8 m² per liter)	Sealer 50 Part A Sealer 50 Part B	Short Nap Roller
Sealer 200 WB	Waterborne Aliphatic Urethane	3-4 mils (75-100 microns)	200-260 ft² per gallon (5-6.4 m² per liter)	Sealer 200 WB Part A Sealer 200 WB Part B	Short Nap Roller

Steri-Crete SLF

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SYSTEM INFORMATION SHEET

COVING

PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT
Steri-Cove Gel	Thixotropic Epoxy	1/8" Thickness (1" radius) @ 4" height = 110 lineal feet (3 mm @ 102 mm height = 33.5 m)	Steri-Cove Gel Part A Steri-Cove Gel Part B	Coving Trowel	
		1/8" Thickness (1" radius) @ 6" height = 70 lineal feet (3 mm @ 152 mm height = 21 m)			
		3/16" Thickness (1" radius) @ 4" height = 70 lineal feet (5 mm @ 102 mm height = 21 m)			
		3/16" Thickness (1" radius) @ 6" height = 48 lineal feet (5 mm @ 152 mm height = 14.6 m)			

Apply the mixed Steri-Cove Gel Bodycoat matrix over the wet tack coat. (Note: If the tack coat cures before the matrix is applied – re-apply tack coat.) Trowel up the wall with a straight edge trowel. Place extra mortar in radius and smooth with small radius coving trowel.

INSTALL

This document is meant as a guideline for the installation of the Steri-Crete SLF. Contact Dudick for further assistance prior to the installation of a Steri-Crete SLF system.

SURFACE PREPARATION

Concrete must be prepared mechanically to remove surface laitance. Oils, grease, or other surface contaminants must be removed prior to surface preparation. Concrete must free of curing compounds and form release agents. Abrade the surface to achieve an ICRI CSP 3-5 surface profile. The prepared surface should have a nominal tensile strength of 250 PSI (1.72 MPa) per ASTM D-7234. Filled joints and cracks in the concrete may be coated, but if movement occurs the coating will crack with the movement of the concrete.

Concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4263. If moisture is found to be present, contact Dudick for further recommendations.

MIXING

All mixing should follow the mixing instructions on the specific Product Data pages.

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NOTE:

The technical data presented in this document is accurate to the best of Dudick and Carboline's knowledge based on laboratory testing of the product(s) or system(s) described. Actual results in the field may vary depending on field conditions and application methods. The performance characteristics stated do not constitute a guarantee or warranty that the products will meet the stated results under all circumstances. Contact Dudick or Carboline technical staff with questions.

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