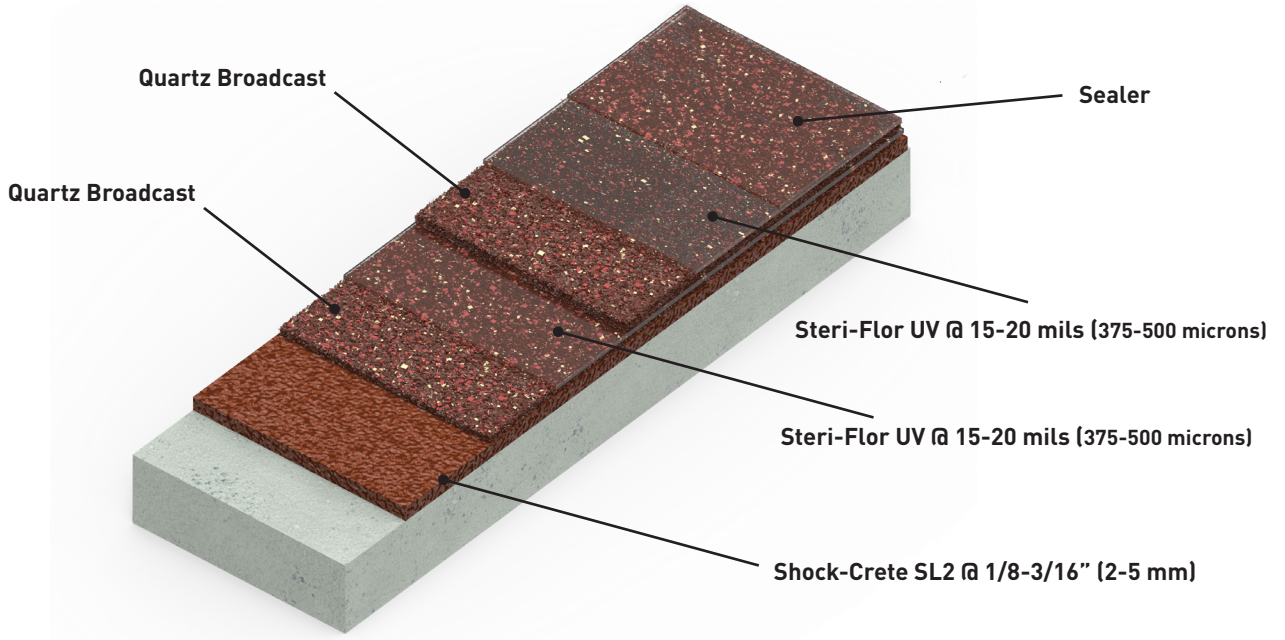


Steri-Crete SLQ

(1/16 to 3/16-inch / 2 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**
- » **Thermal shock resistant**
- » **Excellent chemical resistance**
- » **Fast Setting**
- » **Low Temperature Cure**
- » **USDA Compliant**
- » **Anti-Microbial Agents are available as an option**
- » **Coefficient of Thermal Expansion Similar to Concrete**

TEST METHOD	RESULTS
Coefficient of Thermal Expansion (ASTM C-531)	1.1 x 10 ⁵
Compressive Strength (ASTM C579)	7,300 psi (50 MPa)
Compressive Strength (ASTM C695)	>20,000 psi (138 MPa)
Modulus of Elasticity (ASTM C580)	1.7 x 10 ⁵ psi
Flexural Strength (ASTM C580)	1,800 psi (12 MPa)
Taber Abrasion* (ASTM D4060)	70 mg
Tensile Bond Strength (ASTM D7234)	Cohesive Failure of Concrete
Tensile Bond Strength (ASTM C307)	825 psi (6 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 SLQ (1/16 to 3/16-inch / 2 mm to 5 mm)

SYSTEM INFORMATION SHEET

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME
Slurry	Shock-Crete™ SL2	1/8" - 3/16" (2 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 immediately poured directly onto the floor in ribbons and spread to desired thickness with a serrated squeegee, notched trowel or gauge rake. After spreading the material to the proper thickness, roll with a short nap roller to level. While still wet, broadcast color quartz aggregate to rejection.						
Quartz Broadcast	Colored Quartz	N/A	0.75 lb. / ft² (0.03 kg. / m²)	50 lb (22.7 kg) bag	Hand Broadcast	N/A
Broadcast quartz aggregate into wet material until rejection. After coating has reached walk on cure time remove excess quartz aggregate and apply desired topcoat						
Groutcoat	Steri-Flor UV	15-20 mils (375-500 microns)	80-100 ft² (2-2.5 m²/liter)	Steri-Flor Part A Steri-Flor 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 serrated squeegee, notched trowel or gauge rake. After spreading the material to the proper thickness, roll with a short nap roller to level.						
2nd Quartz Broadcast	Colored Quartz	N/A	0.75 lb. / ft² (0.03 kg. / m²)	50 lb bag	Hand Broadcast	N/A
Groutcoat	Steri-Flor UV	15-20 mils (375-500 microns)	80-100 ft² (2-2.5 m²/liter)	Steri-Flor Part A Steri-Flor Part B	Squeegee Short Nap Roller	11 hours (min) 72 hours (max)
Sealer	Contact your Dudick representative for options	See specific Product Data Sheet for product and application details.				

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) 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)		Steri-Cove Gel Part A Steri-Cove Gel Part B	Coving Trowel
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 SLQ. Contact Dudick for further assistance prior to the installation of a Steri-Crete SLQ system.

Steri-Crete SLQ (1/16 to 3/16-inch / 2 mm to 5 mm)

SYSTEM INFORMATION SHEET

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 be free of curing compounds and form release agents. Abrade the surface to achieve an ICRI CSP 4-6 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.