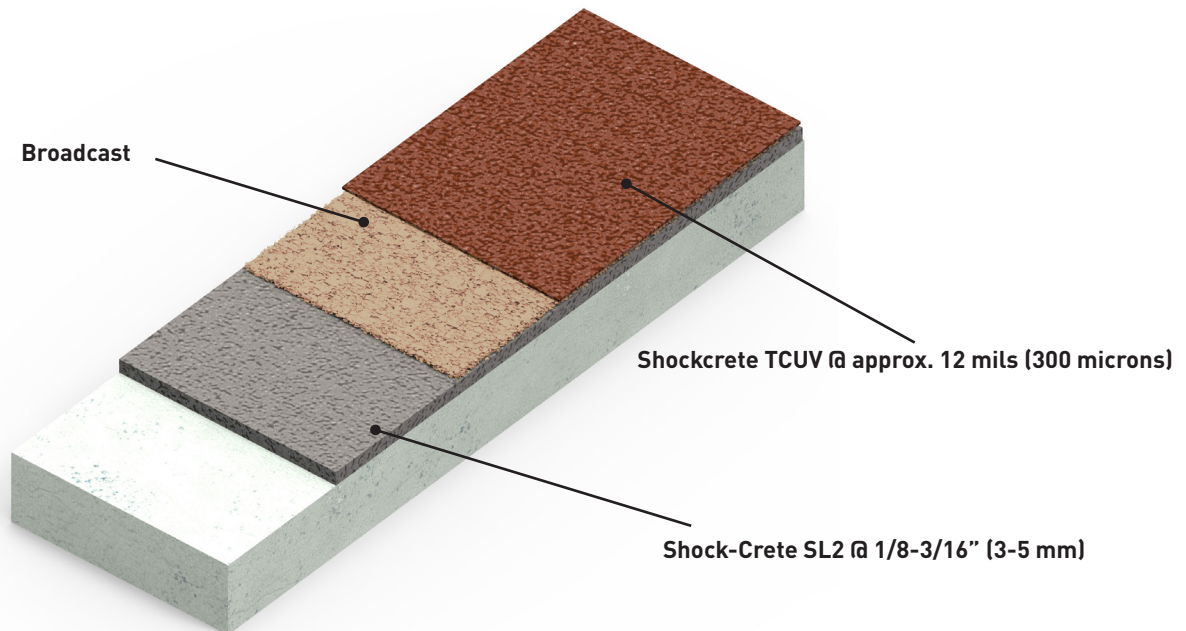


Shock-Crete® SL2

SYSTEM INFORMATION SHEET

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



- » **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 C531)	2.2 x 10 ⁻⁵ in/in/°F
Compressive Strength (ASTM C579)	6,800 psi (47 MPa)
Modulus of Elasticity (ASTM C469)	2.2 x 10 ¹¹ psi
Flexural Strength (ASTM C580)	2,600 psi (18 MPa)
Taber Abrasion* (ASTM D4060)	70 mg
Adhesion (ASTM D4541)	400 psi (2.76 MPa), 100% concrete failure
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)
VOC (ASTM D3960)	35 g/L

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

Shock-Crete® SL2 (1/8 to 3/16-inch / 3 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" (3 mm - 5 mm)	94 ft ² @ 3/32" per 61 lb kit* (8.7 m ² @ 2.4 mm per 27.7 kg kit) 63 ft ² @ 1/8" per 61 lb kit* (5.9 m ² @ 3.2 mm per 27.7 kg kit)	Shock-Crete Part A Shock-Crete Part B Aggregate Color Pack	Gauge, Pin, or Cam Rake Loop Roller	16-24 hours

The mixed product should be poured out evenly over the floor and then applied to the desired thickness with a pin or cam rake, a trowel is then used to remove the traces of the rake or joins between mixes. Loop-roll the material to aid leveling, air re-lease, and to bring resinous material to the surface to accept broadcast media.

*The addition of the Broadcast will bring the slurry coat to 1/8" and 3/16" thickness

Broadcast	20/40 Mesh Quartz or Sand	N/A	Approx. 1/2-1 lb per ft ² (0.02-0.04 kg/l ²)	50 lb (22.7 kg) bag	N/A	N/A
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A full aggregate broadcast is recommended. Broadcast desired aggregate into wet material until rejection. After coating has reached walkon cure time remove excess aggregate and apply desired topcoat. When top-coating with Shock-Crete Topcoat or solid color topcoat, since non-decorative aggregate is used. **A decorative quartz can be used if a clear topcoat is chosen (see optional topcoats section).**

Topcoat	Shock-Crete TCUV	Approx. 12 mils (300 microns)	Approx. 230 ft ² (21 m ²) per 2.2 gallon (8.3 liter) kit	Shock-Crete Part A Shock-Crete Part B Aggregate Color Pack	Flat Squeegee Short Nap Roller	8 hours
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Shock-Crete TCUV is a UV stable alternate to Shock-Crete Topcoat. Both are intended for use in heavy duty environments. A decorative quartz broadcast can be substituted for the traditional broadcast media for a decorative quartz system with MVT resistance. Steri-Flor UV or Sealer 985 (clear) can be used as the topcoat in these systems

ALTERNATE TOPCOATS

PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME
Shock-Crete Topcoat	UV Stable Cementitious Urethane	Approx. 12 mils (300 microns)	Approx. 230 ft ² per 2.2 gallon kit (2.57 m ² per liter)	Shock-Crete Topcoat Part A Shock-Crete Topcoat Part B Shock-Crete Topcoat Filler C	Flat Squeegee Short nap roller	8 hours
Steri-Flor UV	100% Solids Clear Epoxy	10-12 mils (250-300 microns)	130-160 ft ² per gallon (3.2-3.9 m ² per liter)	Steri-Flor UV Part A Steri-Flor UV Part B	Notched Squeegee Short Nap Roller	8 hours
Carboseal 985	Polyaspartic	10-15 mils (250-375 microns)	100-150 ft ² per gallon (2.5-3.7 m ² per liter)	Carboseal 985 Part A Carboseal 985 Part B	Notched Squeegee Short Nap Roller	2 hours

Shock-Crete TCUV is a UV stable alternate to Shock-Crete Topcoat. Both are intended for use in heavy duty environments. A decorative quartz broadcast can be substituted for the traditional broadcast media for a decorative quartz system with MVT assurance. Steri-Flor UV or Carboseal 985 can be used as the topcoat in these systems.

Shock-Crete SL2

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

SYSTEM INFORMATION SHEET

COVING

PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT
Shock-Crete Vertical	Urethane Cement	1/8" - 3/16" (3 mm - 5 mm)	48 linear ft (14.6 m) / kit @ 4" (102 mm) high @ 1/8" (3 mm) 33 linear ft (10 m) / kit @ 4" (102 mm) high @ 3/16" (5 mm)	Shock-Crete Part A Shock-Crete Part B Aggregate Color Pack	Coving Trowel

Apply the mixed Shock-Crete Vertical over a wet tack coat of Shock-Crete Vertical resin base mix. (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 Shock-Crete SR system. Contact Carboline Technical service for further assistance prior to the installation.

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

Specific mixing instructions for each product can be found on its corresponding Product Data Page.

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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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