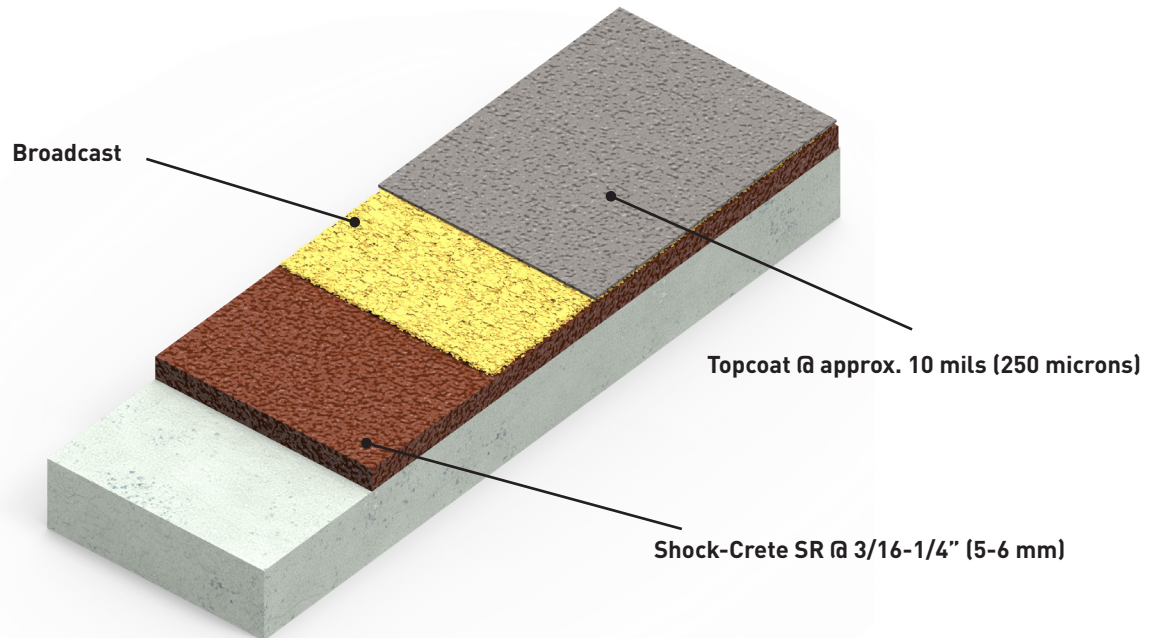


Shock-Crete[®] SR (3/16 to 1/4-inch / 5 mm to 6 mm)

SYSTEM INFORMATION SHEET



- » Easy to apply, highly functional slurry-broadcast cementitious urethane flooring systems (3/16 to 1/4-inch / 5 mm to 6 mm).
- » Unaffected by MVT (moisture vapor transmission).
- » Contains Polygiene[®], an antimicrobial additive based on silver ion nanotechnology.
- » Demonstrates excellent resistance to thermal shock, mechanical damage and chemical attack.

TEST METHOD	RESULTS
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1,000 cycles	50 mg loss
Adhesion (ASTM D4541)	400 psi (2.76 MPa), 100% concrete failure
Coefficient of Friction (ASTM D2047)	Exceeds ADA recommendations
Coefficient of Thermal Expansion (ASTM C531)	1.5 x 10 ⁻⁵ in/in/°F
Compressive Strength (ASTM C579)	8,128 psi (56 MPa)
Flexural Strength (ASTM C580)	2,900 psi (20 MPa)
Modulus of Elasticity (ASTM C469)	1.7 x 10 ⁵
Tensile Strength (ASTM C307)	1,450 psi (10 MPa)
Temperature Resistance (continuous)	200°F (93°C)
Temperature Resistance (non-continuous)	250°F (121°C)

Shock-Crete® SR

(3/16 to 1/4-inch / 5 mm to 6 mm)

SYSTEM INFORMATION SHEET

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME
Slurry	Shock-Crete SR	3/16-1/4" (5 mm - 6 mm)	24 ft ² per single pack kit @ 3/16" (2.2 m ² @ 5 mm) 18 ft ² per single pack kit @ 1/4" (1.7 m ² @ 6 mm)	Shock-Crete SR Part A Shock-Crete SR Part B Shock-Crete SR Filler Pigment Pack	Gauge, Pin, or Cam Rake Loop Roller	6 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 joints between mixes. Loop-roll the material to aid leveling, air re-lease, and to bring resinous material to the surface to accept broadcast media.						
Aggregate Broadcast	20/40 Mesh Quartz or Sand	N/A	Approx. 1/2-1 lb per ft ² (2.4-4.9 kg/m ²)	Typically a 50 lb (22.7 kg) bag	N/A	N/A
For a textured floor, broadcast desired aggregate into wet material until rejection. After coating has reached walk-on cure time remove excess aggregate and apply desired topcoat. When top-coating with Shock-Crete Topcoat a non-decorative aggregate is used. If a decorative quartz finish is desired, a clear topcoat can be chosen in place of Shock-Crete Topcoat. Broadcast the aggregate evenly and provide a dry beach appearance. (see alternate topcoats section)						
Top Coat	Shock-Crete Topcoat	Approx. 10 mils* (250 microns)	100-120 ft ² single pack per kit (9.3-11.1 m ²)	Shock-Crete Part A Shock-Crete Part B Shock-Crete Topcoat Filler Pigment Pack	Flat Squeegee Short Nap Roller	6 hours
The mixed product can be poured out directly to the floor, spread to the desired thickness with rubber squeegee. Further finishing can be done by lightly rolling the surface. Finishing must be completed as quickly as possible and within 5 minutes after the material has been applied. The roller head must be replaced regularly (approx. every 500 ft ² /46.45 m ²) to prevent resin curing on the roller.						
*Follow theoretical coverage rates for application thickness of Shock-Crete Topcoat.						

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 TopcoatUV Part A Shock-Crete TopcoatUV Part B Shock-Crete TopcoatUV 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® SR (3/16 to 1/4-inch / 5 mm to 6 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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