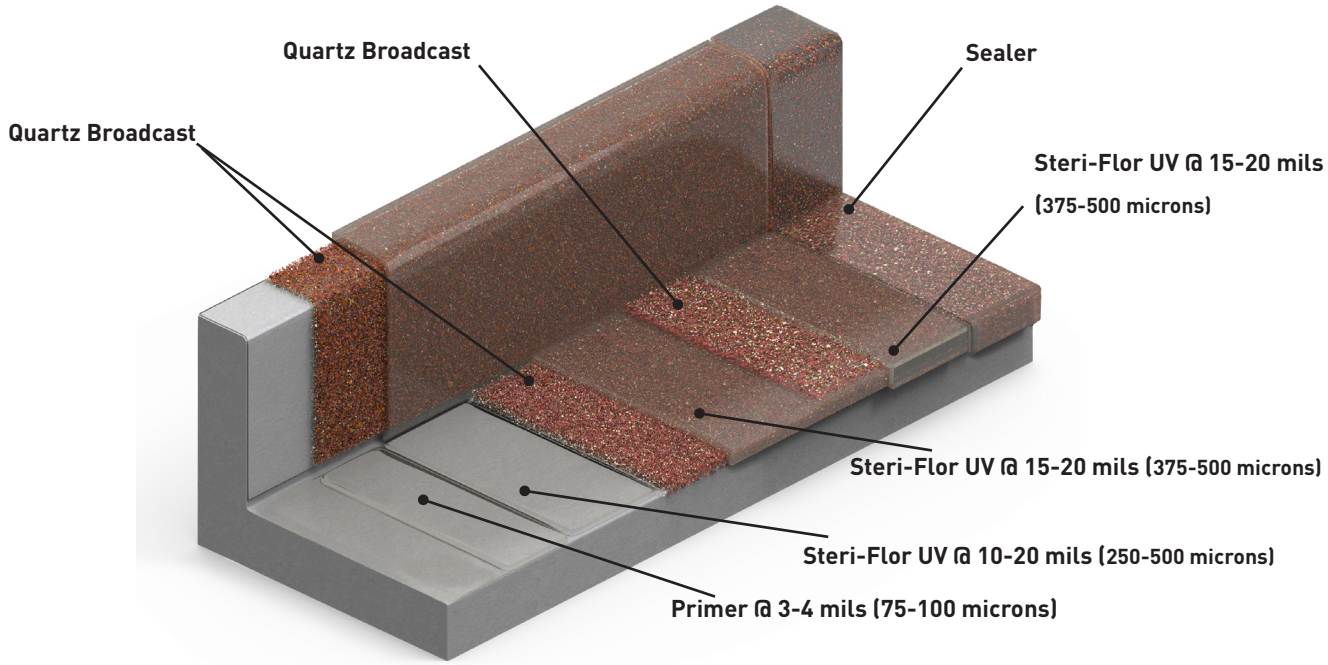
Steri-Quartz

(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 California Department of Public Health CDPH/EHLB Standard Method Version 1.2 2017
- Protects Substrate from Chemical or Physical Attack
- Anti-Microbial Agents are available
- Broadcast System Allows for Ease of Application
- USDA Compliant
- Wide range of color patterns available

TEST METHOD	RESULTS
Compressive Compressive Strength (ASTM C579 Strength) ASTM C579	12,000 PSI (54-68 MPa)
Compressive Strength (ASTM D695)	20,000-22,000 PSI (138-151 MPa)
Tensile Strength (ASTM C307)	20,000-22,000 PSI (138-151 MPa)
Tensile Strength (ASTM D638)	5,500 PSI (38 MPa)
Flexural Strength (ASTM C580)	3,800 PSI (26 MPa)
Abrasion Resistance (ASTM 4060, CS-17 Wheel, 1000 Revolutions)	0.035 gm max. weight loss
Coefficient of Friction (Dry) (ASTM F1679)	Standard Texture>1.0 Medium Texture 0.96
Coefficient of Friction (Wet) (ASTM F1679)	Standard Texture>1.0 Medium Texture 0.93
Tensile Bond Strength (ASTM C7234)	Cohesive Failure of Concrete
Fungus Resistance (U.S. Mil Std, 810E)	No Growth

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-Quartz

SYSTEM INFORMATION SHEET

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

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME*
Primer	Steri-Prime Series / Primer 67LV	3 - 4 mils (75 - 100 microns)	340-450 ft² (32-42 m²)	Part A Part B	Flat Squeegee or Short Nap Roller	6 hours (min) 5 days (max)
Use a short-nap mohair roller cover with solvent resistant core. For best results, condition roller before application to minimize lint or loose fibers. A high quality solvent resistant brush may be used for hard to reach areas. Prime all surfaces to be coated at 3-4 mils (75-100 microns). Do not allow primer to puddle.						
Bodycoat	Steri-Flor™ UV	10 - 20 mils (254 - 508 microns)	80-160 ft² per gallon (2-4 m² per liter)	Steri-Flor UV Part A Steri-Flor UV Part B	Squeegee or 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. While still wet, broadcast color quartz aggregate to rejection.						
Quartz Broadcast	Color Quartz	N/A	0.75 lb. / ft² (0.03 kg. / m²)	50 lb (22.7 kg) bag	Hand Broadcast	N/A
2nd Bodycoat	Steri-Flor UV	15-20 mils (375-508 microns)	80-100 ft² per gallon (2-2.5 m²/liter)	Steri-Flor UV Part A Steri-Flor UV Part B	Squeegee or 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. While still wet, broadcast color quartz aggregate to rejection.						
2nd Quartz Broadcast	Color Quartz	N/A	80-100 ft² per gallon (2-2.5 m²/liter)	50 lb (22.7 kg) bag	Hand Broadcast	Unlimited
Groutcoat	Steri-Flor UV	15-20 mils (375-500 microns)	80-100 ft² per gallon (2-2.5 m²/liter)	Steri-Flor UV Part A Steri-Flor UV Part B	Squeegee or 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.						
Sealer	Contact your Dudick representative for options.	See specific Product Data Sheet for product and application details.				

*at 75°F (24°C)

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-Quartz. Contact Dudick for further assistance prior to the installation of a Steri-Quartz 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 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.

Dudick is part of Carboline
1818 Miller Parkway
Streetsboro, Ohio 44241
1-800-322-1970
330-562-1970
Fax: 330-562-7638
www.dudick.com

NOTE:

The technical data presented in this document is accurate to the best of Dudick and Carboline'sknowledge based on laboratory testing of the product(s) or system(s) described. Actual results in thefield may vary depending on field conditions and application methods. The performance characteristicsstated 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.

01-46-0423-D117