

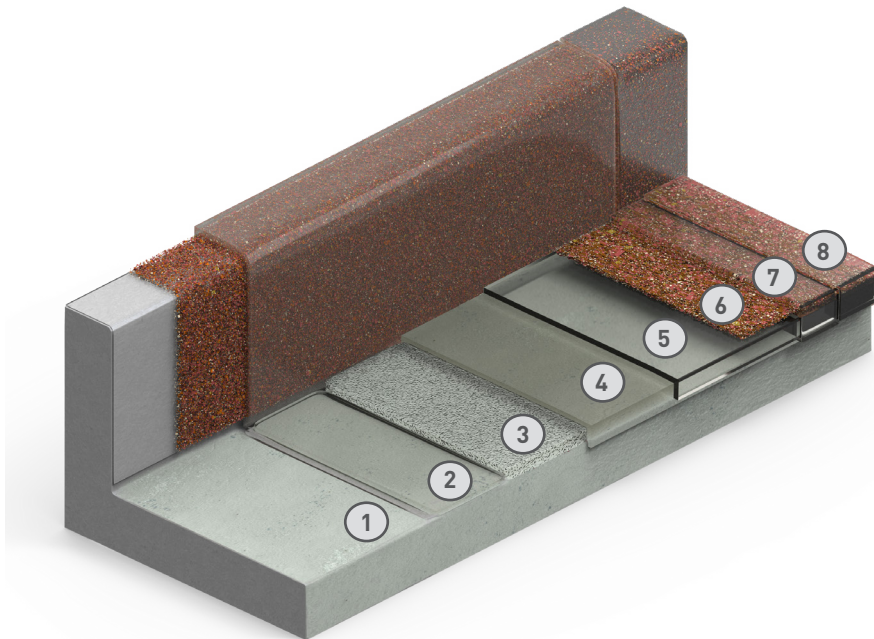
# Steri-Quartz Trowel Broadcast

## SYSTEM INFORMATION SHEET

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

### SYSTEM LAYERS

- ① Concrete Substrate
- ② Primer
- ③ Steri-Flor T BC w/ aggregate
- ④ Steri-Flor T BC
- ⑤ Steri-Flor UV
- ⑥ Colored Quartz
- ⑦ Steri-Flor UV
- ⑧ Sealer



### FEATURES:

- » Low VOC
- » USDA Compliant
- » High Compressive Strength
- » Low Odor
- » Good UV Stability
- » No Aggregate Dusting
- » Integral Cove Base and Curb (optional)
- » Anti-Microbial Agents are available as an option

TEST METHOD	RESULTS
Compressive Strength (ASTM C579)	7,000-9,000 psi (48-62 MPa)
Tensile Strength (ASTM C307)	1,800-2,000 psi (12-14 MPa)
Flexural Strength (ASTM C580)	2,500-2,700 psi (17-19 MPa)
Taber Abrasion (ASTM D4060)	40 mg
Flame Spread (ASTM D635)	<5 mm/self extinguishing
Tensile Bond Strength (ASTM D7234)	Cohesive failure of concrete

**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.

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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 ft <sup>2</sup> (32-42 m <sup>2</sup> )	Steri-Prime Part A Steri-Prime Part B	Flat Squeegee Short Nap Roller	6 hours
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 T BC w/aggregate	3/16" (5 mm)	100 ft <sup>2</sup> @ 3/16" per 4 bag kit (9.2 m <sup>2</sup> @ 5 mm per 4 bag kit)	Steri-Flor T Part A Steri-Flor T Part B EA-1 Aggregate (x 4)	Trowel or Power Trowel	11 hours
For optimum results, finish the topping with a 48 - 52 inch power trowel within 10-20 minutes of placement. Over-trowelling can lead to blistering and excessive burnishing. Final finishing using a hover trowel (if available) can achieve an extremely smooth and tightly closed surface. Applicators must wear spiked shoes to avoid depressions while power-trowelling.						
Groutcoat	Steri-Flor T BC	15 mils (375 microns)	80-100 ft <sup>2</sup> /gallon (2-2.5 m <sup>2</sup> /liter)	Steri-Flor T Part A Steri-Flor T Part B	Squeegee & Short Nap Roller	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.						
Broadcast Coat	Steri-Flor UV	10-20 mils (254-208 microns)	80-160 ft. <sup>2</sup> /gallon (2-4 m <sup>2</sup> /liter)	Steri-Flor UV Part A Steri-Flor UV Part B	Squeegee & Short Nap Roller	11 hours
The mixed product should be immediately poured directly onto the floor in ribbons and spread to desired thickness with a serrated squeegee or notched trowel. 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.						
Broadcast	Colored Quartz	N/A	0.75 lb. / ft <sup>2</sup> (0.03 kg. / m <sup>2</sup> )	50 lb (22.7 kg) bag	Hand Broadcast	Unlimited
Groutcoat	Steri-Flor UV	10-20 mils (254-208 microns)	80-160 ft. <sup>2</sup> /gallon (2-4 m <sup>2</sup> /liter)	Steri-Flor UV Part A Steri-Flor UV Part B	Squeegee & Short Nap Roller	24 hours
The mixed product should be immediately poured directly onto the floor in ribbons and spread to desired thickness with a serrated squeegee or notched trowel. 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.				

## INSTALL

This document is meant as a guideline for the installation of the system. Contact Dudick 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 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.

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### MIXING

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

#### Dudick is part of Carboline

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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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