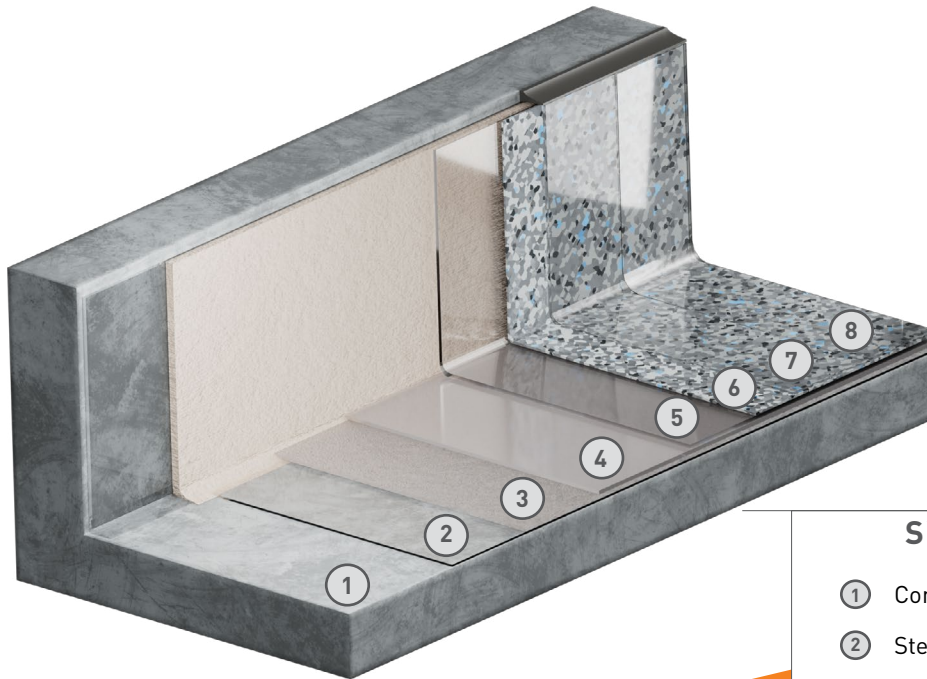


Steri-Quartz® Trowel Broadcast

SYSTEM INFORMATION SHEET



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

SYSTEM STEPS

- ① Concrete substrate
- ② Steri-Prime
- ③ Steri-Flor® T Bodycoat + EA-1 Filler
- ④ Steri-Flor T Groutcoat
- ⑤ Steri-Flor UV pigmented
- ⑥ Quartz broadcast
- ⑦ Steri-Flor UV clear
- ⑧ Sealer 35 clear



DECORATIVE

The Steri-Quartz Trowel Broadcast system can be customized to meet any number of color schemes.



ABRASION RESISTANT

The filler used in this system protects against abrasion and breakdown of the epoxy resin, allowing for asset longevity.



COMPRESSIVE STRENGTH

This system is a epoxy mortar that utilizes high strength filler throughout the entire thickness of the system.

PERFORMANCE DATA	TEST METHOD	RESULTS
	Compressive Strength (ASTM C579)	7,000-9,000 psi (48-62 MPa)
	Flame Spread (ASTM D635)	<5mm/self-extinguishing
	Flexural Strength (ASTM C580)	2,500-2,700 psi (17-19 MPa)
	Taber Abrasion (ASTM D4060)	40 mg
	Tensile Bond Strength (ASTM C7234)	Cohesive failure of concrete

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT / DRY TIME*
Primer	Steri-Prime	3-4 mils (75-100 microns)	340-450 ft ² /gal (8.3-11 m ² /liter)	Part A Part B	Flat Squeegee / Short Nap Roller	6 hours (min) 5 days (max)
Use a short-nap 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 Bodycoat w/ EA-1 Filler	3/16" (5 mm)	100 ft ² @ 3/16" per 4 bag kit (9.2 m ² @ 5 mm per 4 bag kit)	Part A Part B EA-1 Filler (x 4)	Screed Box / Trowel / Power Trowel	5 hours (min) 24 hours (max)
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 Groutcoat	10-20 mils (250-500 microns)	80-160 ft ² /gal (2-4 m ² /liter)	Part A Part B	Serrated Squeegee, Notched Trowel, or Gauge Rake	5 hours (min) 3 days (max)
The mixed product should be immediately poured directly onto the floor in ribbons and spread to desired thickness with a serrated squeegee or 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.						
Basecoat	Steri-Flor UV with Universal Color Pack	10-15 mils (250-375 microns)	107-160 ft ² /gal (3-4 m ² /l)	Part A Part B Universal Color Pack	Squeegee / Short Nap Roller	8 hours (min) 24 hours (max)
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.						
Broadcast	40-S Quartz	N/A	0.5 lb/ft ² (2.4 kg/m ²)	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	10-15 mils (250-375 microns)	107-160 ft ² /gal (3-4 m ² /l)	Part A Part B	Squeegee / Short Nap Roller	8 hours (min) 24 hours (max)
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	Sealer 35	3-4 mils (75-100 microns)	360-480 ft ² /gal (9-12 m ² /l)	Part A Part B	Short Nap Roller	8 hours (min)
The mixed product should be dipped and rolled. Rolling with a short-nap, shed-resistant roller is recommended. Brush application should only be employed for cut in, small areas, touch ups, and repairs. When using High Wear Filler stir frequently to keep it in suspension. The surface must be abraded before recoating with itself or any other product.						

*Recoat time 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) at 4" height = 47 lineal ft (3 mm at 102 mm height = 14.3 m)		Part A Part B	Coving Trowel
		1/8" thickness (1" radius) at 6" height = 33 lineal ft (3 mm at 152 mm height = 10 m)			
		3/16" thickness (1" radius) at 4" height = 40 lineal ft (5 mm at 102 mm height = 12 m)			
		3/16" thickness (1" radius) at 6" height = 30 lineal ft (5 mm at 152 mm height = 9 m)			
Apply a tack coat of neat Steri-Cove Gel, then place mixed Steri-Cove Gel mortar at the floor to wall transition and smooth with a 1" radius coving trowel. Note: If the tack coat cures before the mortar is applied – re-apply tack coat. Use of plastic or metal termination strip at the top of the cove is recommended.					

INSTALL

This document is meant as a guideline for the installation of the system. Contact Dudick for further assistance prior to the installation of the system.

SURFACE PREPARATION

Concrete must be prepared mechanically to remove surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Surface texture should be similar to 30-40 grit sandpaper or the visual standard, CSP-5 from the International Concrete Repair Institute. The prepared surface should have a minimum tensile strength of 250 psi per ASTM D7234.

Concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D4263. 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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