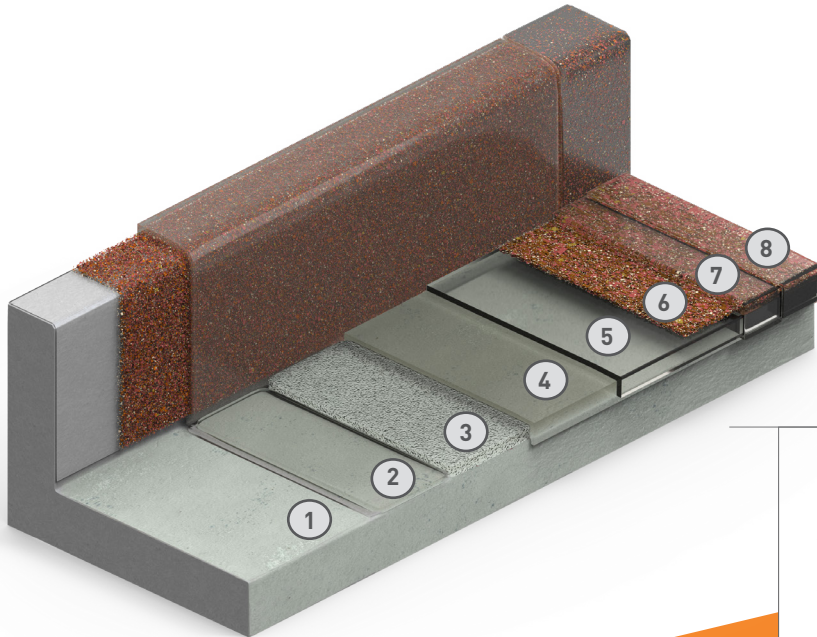


Steri-Flake® Trowel Broadcast

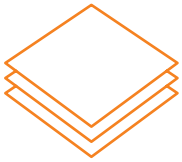
SYSTEM INFORMATION SHEET

1/4-inch (6 mm)



SYSTEM STEPS

- ① Concrete substrate
- ② Steri-Prime®
- ③ Steri-Flor® T BC with EA-1 filler
- ④ Steri-Flor T Groutcoat
- ⑤ Steri-Flor UV with color pack
- ⑥ Flake broadcast
- ⑦ Steri-Flor UV clear
- ⑧ Sealer 35 clear



OPTIONAL AGENTS

Steri-Flake Trowel Broadcast includes optional anti-microbial agents to meet unique flooring needs of most industrial environments.



UV-STABLE

The Steri-Flake Trowel Broadcast system has a high compressive strength and good UV stability.



LOW-EMITTING

Steri-Flake Trowel Broadcast is formulated with low VOC content, promoting human and environmental health and helping to earn LEED 4.1 credits.

Steri-Flake Trowel Broadcast

SYSTEM INFORMATION SHEET



PERFORMANCE DATA	TEST METHOD	RESULTS
	Compressive Strength (ASTM C579)	7,000-9,000 psi (48-62 MPa)
	Flame Spread (ASTM D635)	<5 mm/self-extinguishing
	Flexural Strength (ASTM C307)	2,500-2,700 psi (17-19 MPa)
	Taber Abrasion* (ASTM D4060)	40 mg
	Tensile Bond Strength (ASTM D7234)	Cohesive failure of concrete
	Tensile Strength (ASTM D638)	1,800-2,000 psi (12-14 MPa)
*1,000 gm CS-17 wheel at 1,000 cycles		

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 /l)	Part A Part B	Flat Squeegee / 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 T Bodycoat with EA-1 filler	3/16" (5 mm)	100 ft ² at 3/16" per 4-bag kit (9.2 m ² at 5 mm per 4-bag kit)	Part A Part B EA-1 Aggregate (x4)	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-troweling 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-troweling.						
Groutcoat	Steri-Flor T Groutcoat	15-20 mils (375-500 microns)	80-100 ft ² /gal (2-2.5 m ² /l)	Part A Part B	Squeegee / Short Nap Roller	5 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 flat squeegee. After spreading the material to the proper thickness, roll with a short nap roller to level.						
Broadcast Coat	Steri-Flor UV with color pack	10-12 mils (250-300 microns)	120-160 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, 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.						
Broadcast	Flake Broadcast	N/A	5-7 ft ² /lb (1-1.4 m ² /kg)	40 lb (18 kg) box	Buckets / Scraper / Vacuum	N/A
A full flake broadcast is recommended but partial broadcast may be used. Broadcast desired flake blend into wet material until rejection. After coating has reached walk-on cure time lightly scrape the floor and vacuum to remove excess flakes, then apply desired topcoat.						
Groutcoat	Steri-Flor UV clear	10-12 mils (250-300 microns)	120-160 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 flat squeegee. After spreading the material to the proper thickness, roll with a short nap roller to level.						
Sealer	Sealer 985	3-4 mils (75-100 microns)	360-480 ft ² (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.						

Steri-Flake Trowel Broadcast

SYSTEM INFORMATION SHEET



INSTALL

This document is meant as a guideline for the installation of the system. Contact Carboline Technical service 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 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 3 surface profile. The prepared surface should have a nominal tensile strength of 250 psi (1.72 MPa) per ASTM D7234. 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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