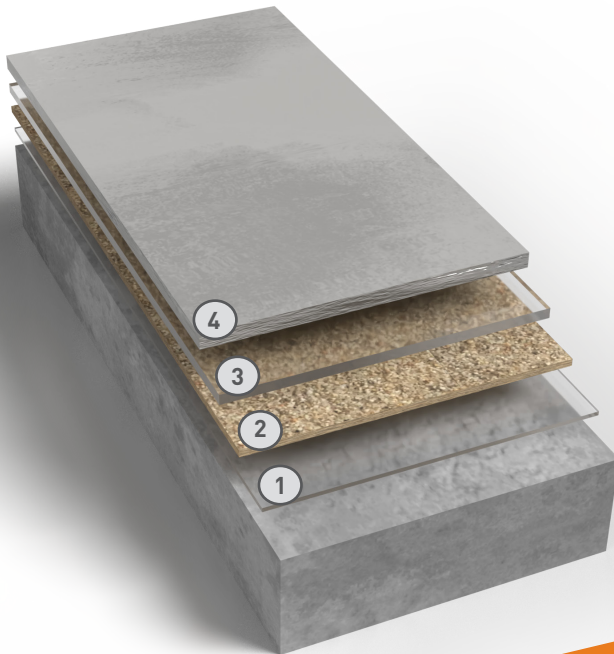


Steri-Flor[®] TCR

SYSTEM INFORMATION SHEET



1/8 to 1/4-inch (3 to 6 mm)

SYSTEM STEPS

- ① Steri-Prime
- ② Steri-Flor T Bodycoat w/ EA-1 Filler
- ③ Steri-Flor T Groutcoat
- ④ Steri-Seal HC



HIGH COMPRESSIVE STRENGTH

Steri-Flor TCR is an epoxy mortar that utilizes high strength filler throughout the entire thickness of the system.



CHEMICAL RESISTANCE

The Steri-Flor TCR system is broadly chemical resistant and withstands exposure to various fuels, fluids, lubricants, and cleaning agents.



ABRASION RESISTANT

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

Steri-Flor TCR

SYSTEM INFORMATION SHEET



PERFORMANCE DATA	TEST METHOD	RESULTS
	Flame Spread (ASTM D635)	<5 mm / self extinguishing
	Specular Gloss Factor (ASTM D523)	85-90
	Taber Abrasion* (ASTM D4060)	120 mg loss
	Tensile Bond Strength (ASTM D7234)	Cohesive failure of concrete
	Tensile Strength, Binder (ASTM D638)	2,870 PSI (20 MPa)
*1,000 gm CSS-17 wheel @ 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 /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.						
Sealer	Steri-Seal HC	10-20 mils (250-500 microns)	80-160 ft ² /gal (2-4 m ² /liter)	Part A Part B	Notched Squeegee / Short Nap Roller	10 hours (min) 3 days (max)
Mixed product should immediately be poured onto the floor in ribbons and spread to the desired thickness with a notched squeegee, trowel, or gauge rake. After spreading the material to the proper thickness, roll with a short-nap roller and allow it to level.						

*Recoat time @ 75°F (24°C)

Steri-Flor TCR

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 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.

All concrete substrates must be checked for moisture prior to primer application using the Plastic Sheet Test per ASTM D4263.

Additional surface preparation will be required if a 30-40 grit texture is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.

Mechanical preparation removes laitance, exposing honeycombs or voids beneath the surface, which can be filled with Scratch Coat 300 (refer to separate product bulletin).

MIXING

Specific mixing instructions for each product can be found on its corresponding Product Data Page.



Dudick is part of Carboline

1818 Miller Parkway
Streetsboro, Ohio 44241
1-800-322-1970

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.