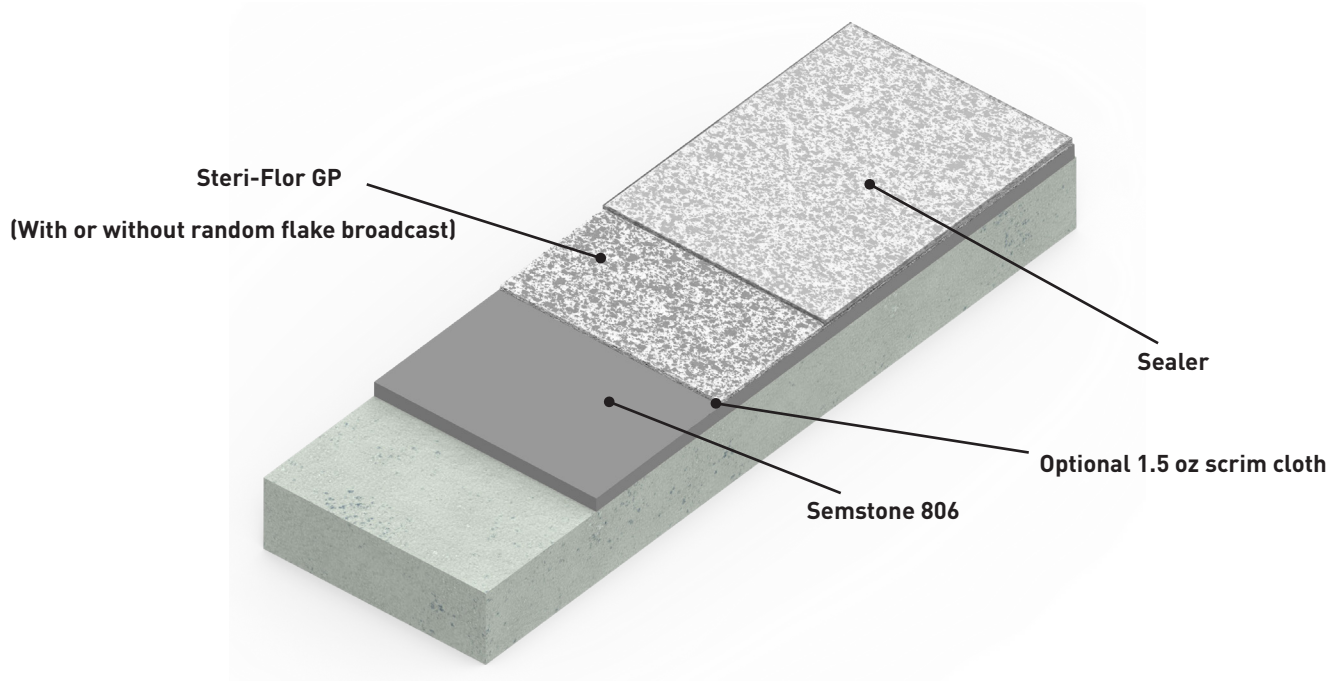


Steri-Flex SL / SLF

(1/16-inch / 1.5 mm)

SYSTEM INFORMATION SHEET



- » **Contributes toward satisfying credit for low emitting material under LEED 4.1**
- » **Good chemical resistance**
- » **USDA Compliant**
- » **Anti-Microbial Agents are available**
- » **Bridges small surface cracks**
- » **Flexible / Waterproofing membrane system**
- » **Recommended Applications:**
 - » **Research Facilities**
 - » **Wet Laboratories**

TEST METHOD	RESULTS
Bond Strength (ASTM D4541)	Cohesive Failure of Concrete
Hardness ASTM D2240 Shore A*	55
Abrasion Resistance ASTM D1044	26 mg loss
Tensile Elongation ASTM D638	75% without fabric 60% with fabric
Tensile Strength ASTM D638	1500-2000 psi without fabric 3000-3500 psi with fabric

*Semstone 806 with no topcoat

- » **Operating Rooms**
- » **Mechanical Equipment Rooms**

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-Flex SL / SLF

(1/16-inch / 1.5 mm)

SYSTEM INFORMATION SHEET

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME*
Primer	Primer 67 DP	3 - 4 mils (75 - 100 microns)	340-450 ft ² (32-42 m ²)	Primer 67 DP Part A Primer 67 DP 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.						
Basecoat	Semstone® 806	1/16" (1.5 mm)	27 ft ² / gallon (0.7 m ² per liter)	Semstone 806 Part A Semstone 806 Part B	Notched Squeegee or Cam Rake	48 hours (min)
The mixed product should be poured out evenly over the floor and then applied to the desired thickness with a notched squeegee, notched trowel, or gauge rake. A trowel is then used to remove the traces of the squeegee or joins between mixes. Spike roll the material to aid leveling and air release.						
Optional Broadcast or Fiberglass Scrim Cloth	Acrylic Flakes or 1.5 oz Scrim Cloth	N/A	Approx. 1/2-1 lb per ft ² (0.02-0.04 kg/l ²) or Area + 10% for scrim	40 lb (18 kg) box	N/A	N/A
Flake: Broadcast desired flake blend into wet material until rejection. After coating has reached walk-on cure time remove excess flakes and apply desired topcoat. If color is desired a receiving coat of pigmented Carboseal 985 may be added before flakes are broadcast. Scrim cloth: One layer of 1.5 ounce scrim is used to help bridge small surface cracks and isolate their movement to the basecoat. It is applied to the wet basecoat and becomes an integral part of it, acting much the same as a reinforcing bar does in concrete.						
Groutcoat	Steri-Flor GP	10-12 mils (250-300 microns)	130-160 ft ² / gallon (3.2-4 m ² per liter)	Steri-Flor GP Part A Steri-Flor GP Part B	8-12 mil Squeegee Short Nap Roller	12 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 bladed squeegee. After spreading the material to the proper thickness, roll with a short nap roller to level.						

*at 75°F (24°C)

OPTIONAL TOPCOATS

PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT
Sealer 30	Aliphatic Polyurethane	4-5 mils (100-125 microns)	250-300 ft ² per gallon (6.1-7.4 m ² per liter)	Sealer 30 Part A Sealer 30 Part B	Short Nap Roller
Sealer 35	High Wear Aliphatic Polyurethane	3-4 mils (75-100 microns)	401-535 ft ² per gallon (9.8-13 m ² per liter)	Sealer 35 Part A Sealer 35 Part B Universal Pigment Pack Optional high wear additive	Short Nap Roller
Sealer 200 WB	Waterborne Aliphatic Urethane	3-4 mils (75-100 microns)	200-260 ft ² per gallon (5-6.4 m ² per liter)	Sealer 200 WB Part A Sealer 200 WB Part B	Short Nap Roller
Carboseal 985	Polyaspartic	10-15 mils (250-375 microns)	102-152 ft ² per gallon (2.5-3.7 m ² per liter)	Carboseal 985 Part A Carboseal 985 Part B	Short Nap Roller

Steri-Flex SL / SLF

(1/16-inch / 1.5 mm)

SYSTEM INFORMATION SHEET

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)	Steri-Cove Gel Part A Steri-Cove Gel Part B	Coving Trowel	
		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)			

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 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 3-5 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'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.

01-46-0723-D129