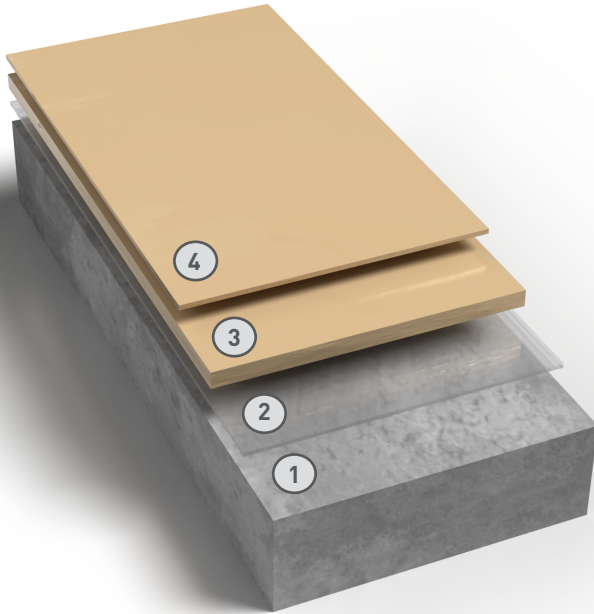


Steri-Flor[®] ESD

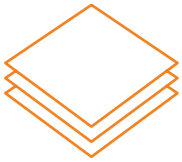
SYSTEM INFORMATION SHEET



22 to 30 mils (550 to 750 microns)

SYSTEM STEPS

- ① Concrete substrate
- ② Primer 67SD
- ③ Polymer Alloy 2000SD
- ④ Sealer 30SD (optional)



OPTIONAL AGENTS

Steri-Flor ESD is moisture tolerant up to 5 lbs to meet unique flooring needs of most industrial environments.



CHEMICAL RESISTANCE

The Steri-Flor ESD system has excellent chemical resistances, as well as exceptional UV resistance.



LOW-EMITTING

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

Steri-Flor ESD

SYSTEM INFORMATION SHEET



PERFORMANCE DATA	TEST METHOD	RESULTS
	Abrasion Resistance* (ASTM D4060)	60 mg
	Compressive Strength (ASTM (C579)	6,000 psi (41 MPa)
	Flame Spread (ASTM D635)	<5 mm
	Flexural Strength (ASTM C580)	1,800 psi (12 MPa)
	Resistivity	10 ⁶ -10 ⁹ ohms
	Shore D Hardness (ASTM D2240)	65-70
	Tensile Bond Strength (ASTM D7234)	Cohesive failure of concrete
	Tensile Elongation (ASTM C307)	15-20%
	Tensile Strength (ASTM C307)	7,200 psi (50 MPa)
	Tensile Strength (ASTM D638)	2,200 psi (15 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	Primer 67SD	3-4 mils (75-100 microns)	337-449 ft ² /gal (8.3-11 m ² /l)	Part A Part B	Flat Squeegee / Short Nap Roller	5 hours (min) 48 hours (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 the primer to puddle.						
Bodycoat	Polymer Alloy 2000SD	15-20 mils (375-500 microns)	80-107 ft ² /gal (2-2.6 m ² /l)	Part A Part B	Notched Squeegee / Short Nap Roller	16 hours (min) 24 hours (max)
Mixed product should immediately be poured onto the floor in ribbons and spread to the desired thickness with a notched squeegee or trowel. After spreading the material to the proper thickness, roll with a short-nap roller and allow it to level.						
Optional Sealer	Sealer 30SD	4-6 mils (102-152 microns)	209-313 ft ² /gal (5.1-7.7 m ² /l)	Part A Part B	Short Nap Roller	12 hours (min) 72 hours (max)
The mixed material should be dipped and rolled with a 3/16" (0.48 cm) shed-resistant nap roller. Brush application should only be employed for cut in, small areas, touch-ups, and repairs.						
*Recoat time at 75°F (24°C)						

Steri-Flor ESD

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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