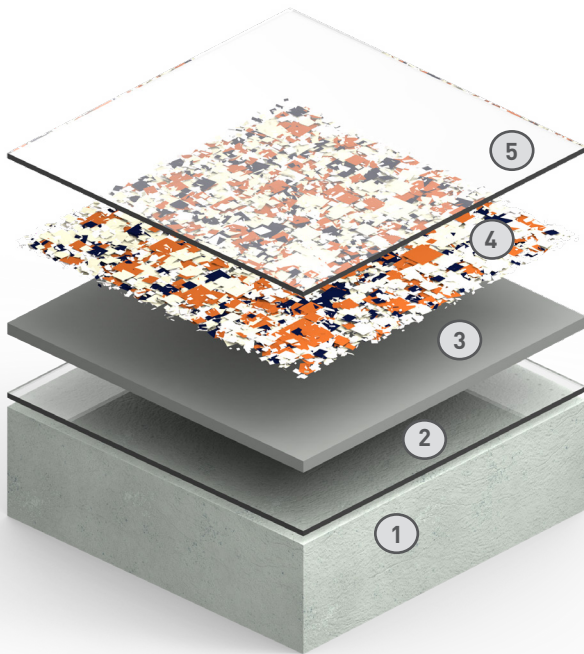


Steri-Flake 985

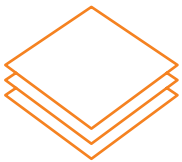
SYSTEM INFORMATION SHEET



21 to 32-mils (525-800 microns)

SYSTEM STEPS

- ① Concrete Substrate
- ② Steri-Prime WB
- ③ Sealer 985 pigmented
- ④ Flake Broadcast
- ⑤ Sealer 985 clear



OPTIONAL COVE

Steri-Flake 985 includes optional cove, base, and curb products to meet unique flooring needs of most industrial environments.



CHEMICAL RESISTANCE

The Steri-Flake 985 system is broadly chemical resistant and withstands exposure to various fuels, fluids, lubricants, and cleaning agents.



LOW-EMITTING

Steri-Flake 985 is formulated with very low VOC content, promoting human and environmental health and helping to earn LEED 4.1 credits.

Steri-Flake 985

SYSTEM INFORMATION SHEET



PERFORMANCE DATA	TEST METHOD	RESULTS
	Elongation (ASTM D412)	75%
	Flexibility (ASTM D522)	Passes 1/8" mandrel bend
	Shore D Hardness (ASTM D2240)	45
	Impact Resistance	160 inch-lbs
	Taber Abrasion* (ASTM D4060)	70 mg loss
	Tear Strength (ASTM D624)	~450 lbf/in
	Tensile Strength (ASTM D412)	3,000 PSI (20.7 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 WB	1-2 mils (25-50 microns)	257-513 ft ² /gal (6.3-12.6 m ² /l)	Part A Part B	Flat Squeegee / Short Nap Roller	1 hours (min) 4 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 brush may be used for hard to reach areas. Prime all surfaces to be coated at 1-2 mils (25-50 microns). Do not allow primer to puddle.						
Basecoat	Sealer 985 pigmented	10-15 mils (250-375 microns)	102-152 ft ² /gal (2.5-3.7 m ² /l)	Part A Part B	Short Nap Roller	2 hours (min) 24 hours (max)
The mixed material should be dipped and rolled to maximize working time or it can be poured out evenly over the floor and then applied to the desired thickness with a notched squeegee. Back rolling with a 3/16" (0.48 cm) shed-resistant nap roller is recommended after the squeegee application has been executed. Roller covers should be changed every 30-45 minutes in order to keep longer working time. Brush application should only be employed for cut in, small areas, touch-ups, and repairs.						
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.						
Sealer	Sealer 985 clear	10-15 mils (250-375 microns)	102-152 ft ² /gal (2.5-3.7 m ² /l)	Part A Part B	Short Nap Roller	2 hours (min) 24 hours (max)
The mixed material should be dipped and rolled to maximize working time or it can be poured out evenly over the floor and then applied to the desired thickness with a notched squeegee. Back rolling with a 3/16" (0.48 cm) shed-resistant nap roller is recommended after the squeegee application has been executed. Roller covers should be changed every 30-45 minutes in order to keep longer working time. Brush application should only be employed for cut in, small areas, touch-ups, and repairs.						

*Recoat time @ 75°F [24°C]

Steri-Flake 985

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 D4263. 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.



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.