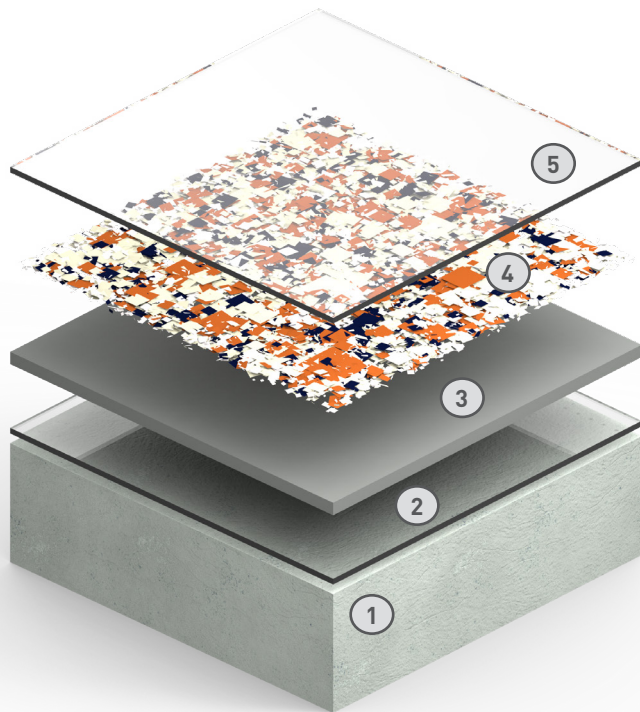


Steri-Flake 985

SYSTEM INFORMATION SHEET



**40-80 mils
(1-2 mm)**

SYSTEM LAYERS

- ① Concrete substrate
- ② Primer @ 1-2 mils (25-50 microns)
- ③ Carboseal 985 @ 12-20 mils (300-500 microns)
- ④ Acrylic flakes
- ⑤ Carboseal 985 @ 12 mils (300 microns)

FEATURES:

- » Low odor and VOC
- » Protects substrate from chemical or physical attack
- » Quick return to service
- » Broadcast system allows for ease of application
- » Meets USDA and FDA requirements
- » Anti-microbial agents are available as an option
- » Non-flammable
- » Integral cove, base, and curb (optional)

TEST METHOD	RESULTS
Compressive Strength (ASTM C579)	8,000-10,000 psi (55-69 MPa)
tensile Strength (ASTM D638)	3,000-3,500 psi (21-24 MPa)
Taber Abrasion (ASTM D4060)	40 mg
Tensile Bond Strength (ASTM D7234)	Cohesive Failure of Concrete
VOC (ASTM D-3960)	<10 g/L

*1,000 gm CS-17 wheel @ 1,000 cycles

Steri-Flake 985

SYSTEM INFORMATION SHEET

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME
Primer	Steri-Prime WB	1-2 mils (25-50 microns)	300-500 ft ² /gallon (5-6 m ² /liter)	Part A Part B	Flat Squeegee or Short-Nap Roller	1 hour (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. Do not allow primer to puddle.						
Basecoat	Carboseal 985	10-20 mils (250-300 microns)	120-160 ft ² /gallon (3-4 m ² /liter)	Part A Part B	Notched Squeegee or Short-Nap Roller	2 hours (min) 24 hours (max)
The mixed product should be poured out evenly over the floor and then applied to the desired thickness with a notched squeegee. Back rolling with a 3/16" (5 mm) shed-resistant, medium-nap roller is recommended after the squeegee application is completed. Brush application should only be employed for cut in, small areas, touch ups, and repairs.						
Broadcast	Acrylic Flakes	n/a	5-7 ft ² /lb (1-1,4 m ² /kg)	40 lb (18 kg) box	Hand Broadcast	2 hours (min) 24 hours (max)
Sealer	Carboseal 985	8-10 mils (200-250 microns)	180-200 ft ² /gallon (4-5 m ² /litre)	Part A Part B	Notched Squeegee or Short-Nap Roller	2 hours (min) 24 hours (max)
The mixed product should be poured out evenly over the floor and then applied to the desired thickness with a notched squeegee. Back rolling with a 3/16" (5 mm) shed-resistant, medium-nap roller is recommended after the squeegee application has been completed. Brush application should only be employed for cut in, small areas, touch ups, and repairs. A second coat may be added if less texture is desired.						

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 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 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

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

Dudick, a division of Carboline

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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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