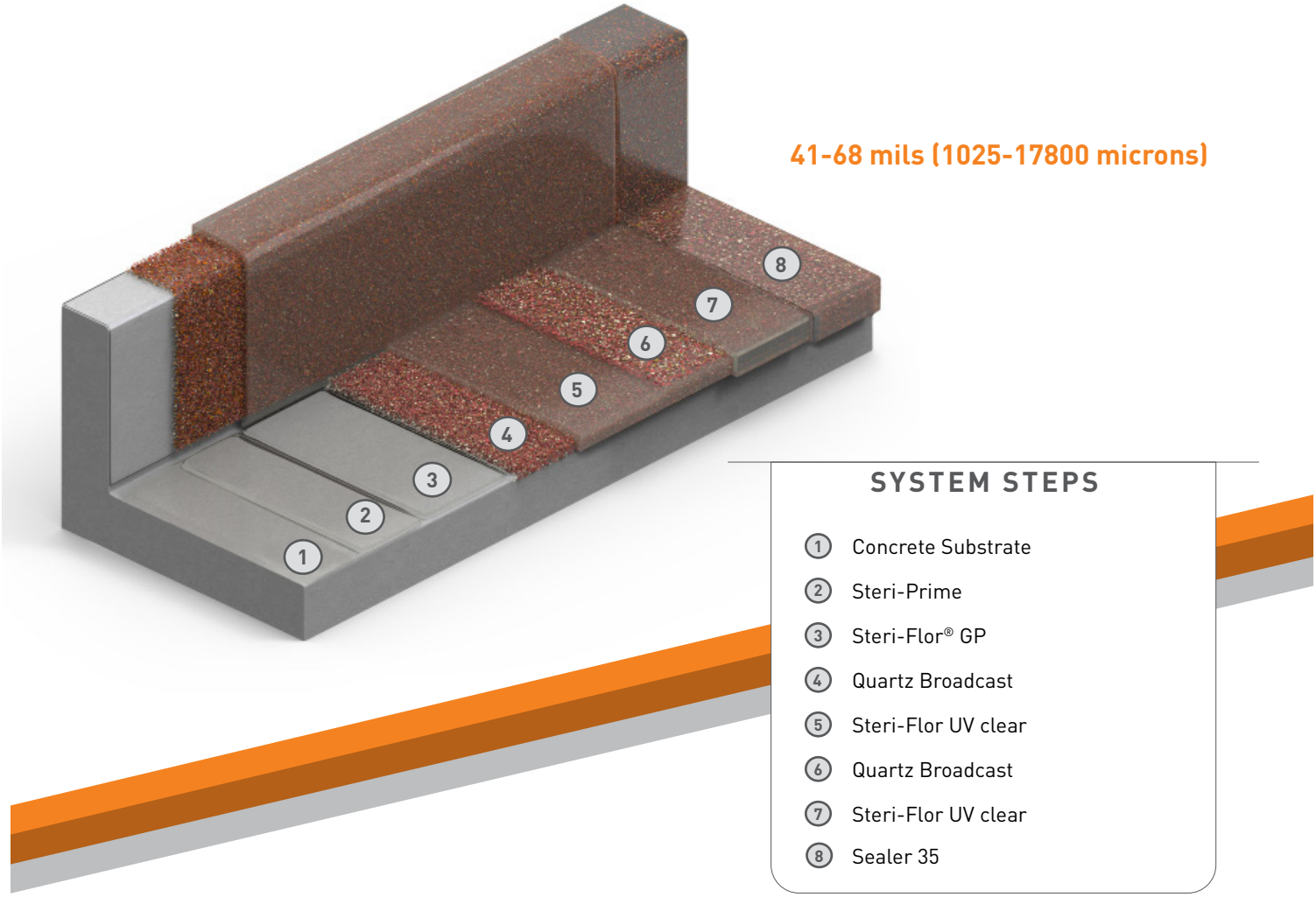
Steri-Quartz

SYSTEM INFORMATION SHEET



41-68 mils (1025-17800 microns)

SYSTEM STEPS

1. Concrete Substrate
2. Steri-Prime
3. Steri-Flor® GP
4. Quartz Broadcast
5. Steri-Flor UV clear
6. Quartz Broadcast
7. Steri-Flor UV clear
8. Sealer 35

DECORATIVE

The Steri-Quartz system can be customized to meet any number of color schemes.

ABRASION RESISTANT

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

LOW-EMITTING MATERIAL

Contributes toward satisfying credit for low-emitting material under LEED 4.1.

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Dudick
A Division of Carboline

PERFORMANCE DATA	TEST METHOD	RESULTS
	Abrasion Resistance* (ASTM 4060)	0.035 gm max weight loss
	Coefficient of Friction - Dry (ASTM F1679)	Standard texture >1.0 Medium texture 0.96
	Coefficient of Friction - Wet (ASTM F1679)	Standard texture >1.0 Medium texture 0.93
	Compressive Strength (ASTM D695)	20,000-22,000 psi (138-151 MPa)
	Flexural Strength (ASTM C580)	3,800 psi (26 MPa)
	Tensile Strength (ASTM C307)	20,000-22,000 psi (138-151 MPa)
	Tensile Bond Strength (ASTM D7234)	Cohesive failure of concrete
	*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 ft²/gal (8.3-11 m²/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 GP	10-20 mils (250-500 microns)	80-160 ft²/gal (2-4 m²/liter)	Part A Part B	Notched Squeegee / Short Nap Roller	11 hours (min) 72 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.						
Broadcast	Quartz (40-S)	n/a	0.5 lb/ft² (2.4 kg/m²)	50 lb (22.7 kg) bag	Hand Broadcast	n/a
Broadcast quartz aggregate into wet material until rejection. After coating has reached walk on cure time remove excess quartz aggregate and apply desired topcoat						
2nd Bodycoat	Steri-Flor UV clear	10-20 mils (250-500 microns)	80-160 ft²/gal (2-4 m²/liter)	Part A Part B	Notched Squeegee / Short Nap Roller	8 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 squeegee. After spreading the material to the proper thickness, roll with a short nap roller to level.						
2nd Broadcast	Quartz (40-S)	n/a	0.5 lb/ft² (2.4 kg/m²)	50 lb (22.7 kg) bag	Hand Broadcast	n/a
Broadcast quartz aggregate into wet material until rejection. After coating has reached walk on cure time remove excess quartz aggregate and apply desired topcoat						
Groutcoat	Steri-Flor UV clear	15-20 mils (375-500 microns)	80-100 ft²/gal (2-2.5m²/l)	Part A Part B	Notched Squeegee / Short Nap Roller	8 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 squeegee. After spreading the material to the proper thickness, roll with a short nap roller to level.						
Sealer	Sealer 35	3-4 mils (75-100 microns)	360-480 ft²/gal (9-12 m²/l)	Part A Part B	Short Nap Roller	8 hours (min) 10 hours (max)
The mixed product should be dipped and rolled. Rolling with a short-nap, shed-resistant roller is recommended. Brush application should only be employed for cut in, small areas, touch ups, and repairs. When using High Wear Filler stir frequently to keep it in suspension.						

*Recoat time at 75°F (24°C).

Steri-Quartz

SYSTEM INFORMATION SHEET

COVING					
PRODUCT	GENERIC TYPE	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT
Steri-Cove Gel	Thixotropic Epoxy	1/8" thickness (1" radius) at 4" height = 47 lineal ft (3 mm at 102 mm height = 14.3 m) 1/8" thickness (1" radius) at 6" height = 33 lineal ft (3 mm at 152 mm height = 10 m) 3/16" thickness (1" radius) at 4" height = 40 lineal ft (5 mm at 102 mm height = 12 m) 3/16" thickness (1" radius) at 6" height = 30 lineal ft (5 mm at 152 mm height = 9 m)		Part A Part B	Coving Trowel
Apply a tack coat of neat Steri-Cove Gel, then place mixed Steri-Cov Gel mortar at the floor to wall transition and smooth with a 1" radius coving trowel. Note: If the tack coat cures before the mortar is applied – re-apply tack coat. Use of plastic or metal termination strip at the top of the cove is recommended.					

INSTALL

This document is meant as a guideline for the installation of the system. Contact Dudick for further assistance prior to the installation of the system.

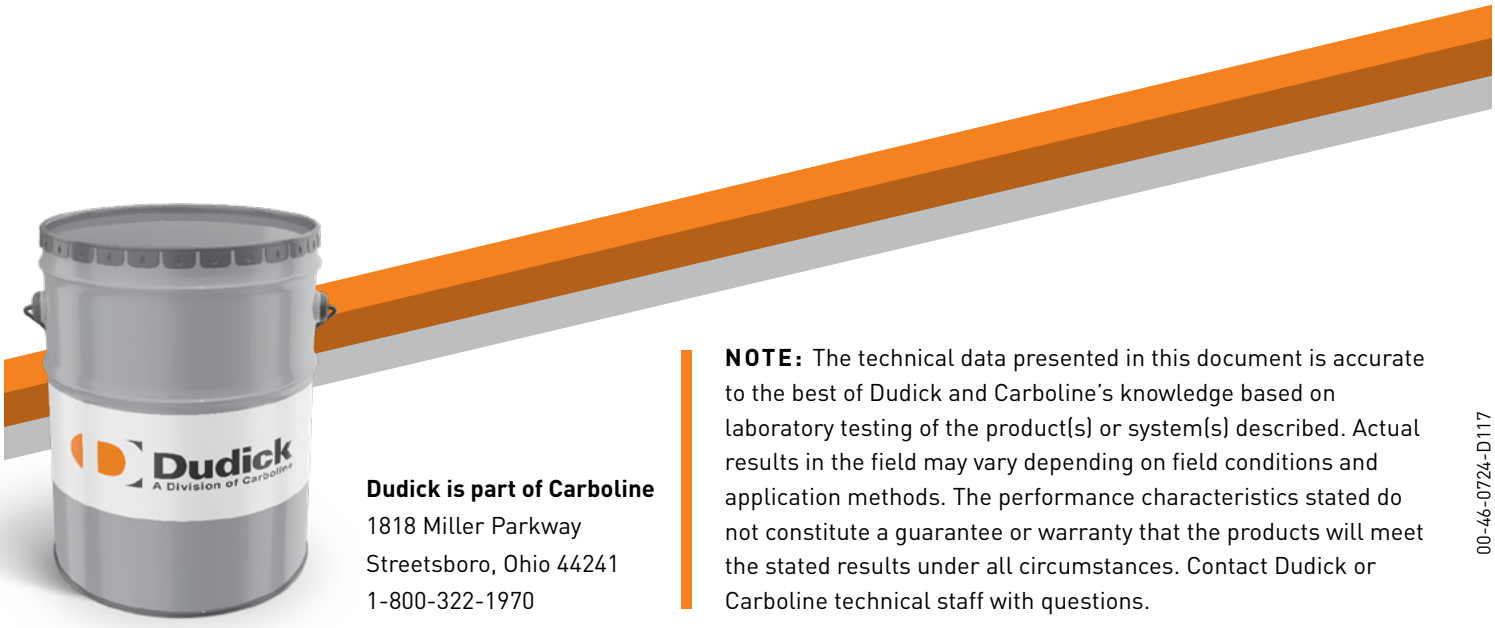
SURFACE PREPARATION

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-3 from the International Concrete Repair Institute. The prepared surface should have a minimum tensile strength of 250 psi per ASTM D7234.

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.



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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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