Protecto-Line 100XT ST

SYSTEM INFORMATION SHEET

33 to 54 mils

SYSTEM STEPS

1. Primer 67
2. Protecto-Line 100
3. Fiberglass mat
4. Protecto-Line 100

HIGH-BUILD

Carboline Laminate System's high-build characteristics create very flat floors ideal for sensitive, precision operations.

CHEMICAL RESISTANCE

The system includes resins that can be used in chop-spray application. It can also be roll or spray applied.

TRUSTED RECORD

Carboline Laminate System has a long track record or withstanding high bottom flex and performing in marine environments.

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SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME*
Primer	**Primer 67**	**3-4 mils (76-102 microns)**	**340-450 ft² (32-42 m²)**	**Part A Part B 1:1 mix ratio**	**Flat blade squeegee 3/8" roller**	**6 hours (min) 5 days (max)**
Use a short-nap mohair roller cover with a solvent-resistant core. For best results, condition roller before application to minimize lint or loose fibers. A high-quality solvent resistant brush should be used for hard-to-reach areas and to stripe coat sharp angles and edges. Prime all surfaces to be coated at 3-4 mils (75-100 microns). Do not allow the primer to puddle.						
Basecoat	**Protecto-Line 100**	**10-20 mils (254-508 microns)**	**80-160 ft²/gal (7.4-14 m²/l)**	**Part A Part B 7:1 mix ratio**	**8-10 mil notched squeegee 3/8" roller**	**8 hours (min) 10 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 it with a short nap roller. Immediately start laying the fiberglass mat.						
Reinforcement	**Fiberglass Mat**	**1 oz chop**	**Area + 10% Overlap all edges by at least 1"**	**Rolls come in various sizes**	**1/2" roller Ribbed roller**	**8 hours (min) 10 hours (max)**
One layer of 1 oz chopped strand fiberglass mat is used to reinforce the lining and provide additional permeation resistance. Apply it directly onto the wet basecoat. Let this dry and grind off any rough or protruding glass after the next day.						
Saturant Coat	**Protecto-Line 100**	**20-30 mils (508-762 microns)**	**50-80 ft²/gal (4.6-7.4 m²)**	**Part A Part B 7:1 mix ratio**	**20-30 mil notched squeegee 3/8" roller**	**8 hours (min) 10 hours (max)**
Mixed product should immediately be poured onto the floor in ribbons and spread to the desired thickness with a notched squeegee, trowel, or gauge rake. After spreading the material to the proper thickness, roll with a short nap roller and allow it to level.						
Chines and weld seams: Prime with Primer 67 allow to reach a transfer free state, then mix Protecto-Flex BC Part A, Part B, and G-1 Filler per the mixing instructions. Apply a smooth layer to reduce the angle of transition on floor plate weld seems and provide a smooth radius at the floor to wall transition. A maximum of lift of 1/8" (1.5 mm), per application is recommended unless otherwise directed.						

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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.

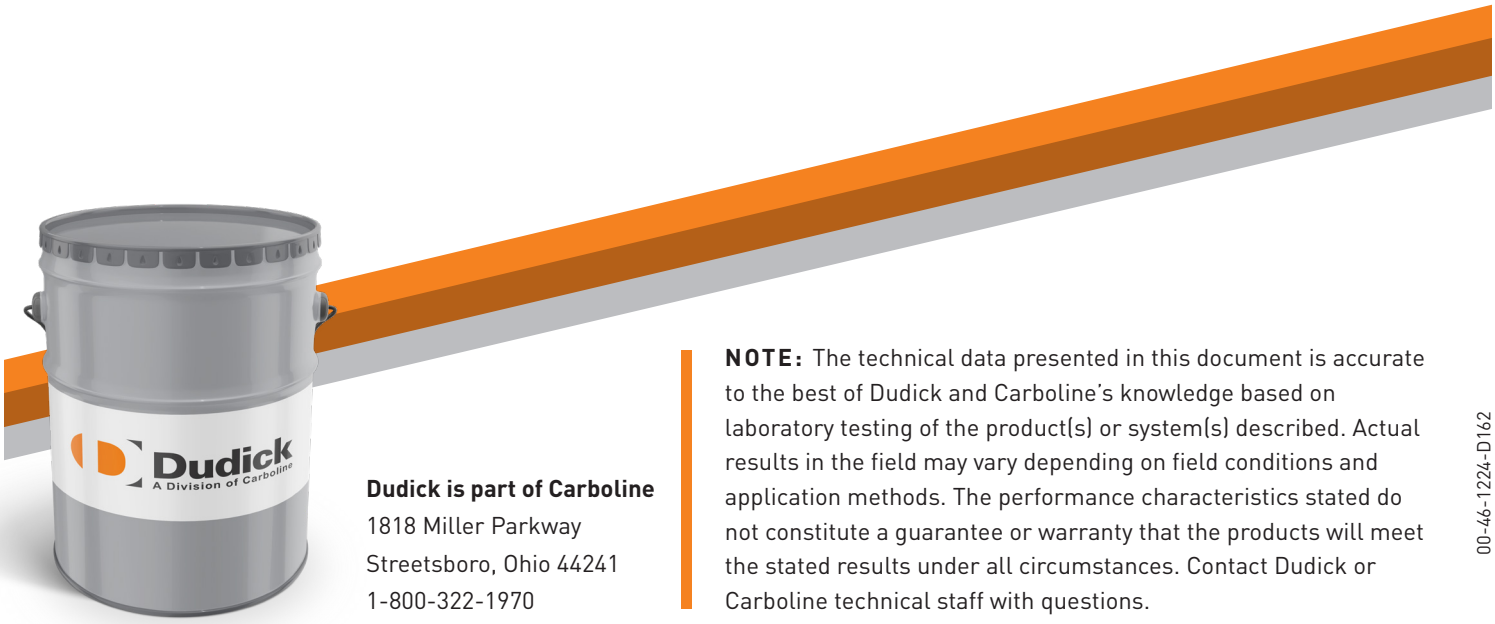
SURFACE PREPARATION

Concrete must be prepared mechanically to remove surface laitance. Oils, grease, or other 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 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

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.

00-46-1224-D162