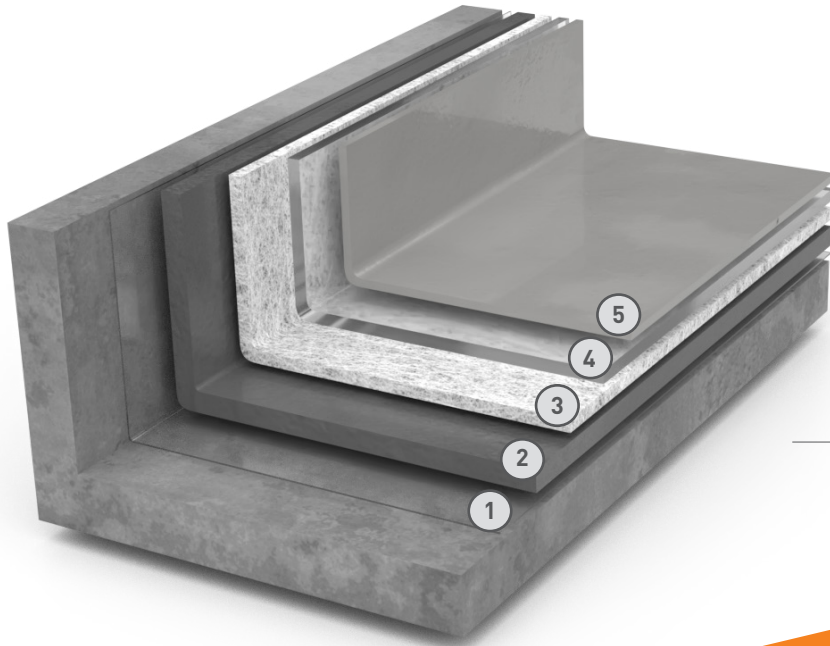


Protecto-Glass 160XT

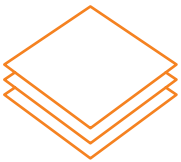
SYSTEM INFORMATION SHEET



1/16 to 3/16-inches (2 to 5 mm)

SYSTEM STEPS

- ① Primer 67 or 67C
- ② Protecto-Glass 160XT with G-1 filler
- ③ Fiberglass mat
- ④ Protecto-Glass 160XT (neat)
- ⑤ Protecto-Coat 100XT



FLEXIBILIZED

The Protecto-Glass 160XT system utilizes primer and a fiberglass reinforcement layer to increase the overall flexibility of the system.



CHEMICAL RESISTANCE

The Protecto-Glass 160XT system works with aluminum oxide or sand to increase abrasion resistance and anti-slip properties.



BRIDGES CRACKS

Protecto-Glass 160XT is formulated to bridge cracks up to 1/8-inch wide, extending the potential service life of the flooring system.

Protecto-Glass 160XT

SYSTEM INFORMATION SHEET



PERFORMANCE DATA	TEST METHOD	RESULTS
	Compressive Strength (ASTM C579)	6,000 psi (41 MPa)
	Shore D Hardness (ASTM D2240)	70-75
	Tensile Bond Strength (ASTM C307)	4,500-5,000 psi (31-34 MPa)
	Tensile Bond Strength (ASTM D7234)	Cohesive failure of concrete
	Tensile Elongation (ASTM C307)	12-15%

SYSTEM STEPS	PRODUCT	THICKNESS	THEORETICAL COVERAGE RATE	PACKAGING	APPLICATION EQUIPMENT	RECOAT TIME*
Primer	Primer 67 / Primer 67C	3-4 mils (76.2-101.6 microns)	341-454 ft²/gal (8.4-11.2 m²/l)	Part A Part B	Short nap mohair roller / Brush / Spray	6 hours (min) 5 days (max)
Basecoat	Protecto-Glass 160XT with G-1 Filler	1/16" (1.57 mm) (62.5 mils/1,587.5 microns)	25 ft²/gal (0.6 m²/l)	Part A Part B Aggregate	Flat squeegee / Short nap roller	Install glass mat immediately
A full-flake broadcast is recommended. Broadcast desired flake blend into wet material until rejection. After coating has reached walk-on cure time remove excess flakes and apply desired topcoat.						
Reinforcement	Fiberglass mat	1 oz chop strang	Area + 10%			
One layer of one (1) ounce fiberglass mat is used to help bridge small surface cracks and isolate their movement to the basecoat. It is applied to the wet basecoat and becomes an integral part of it, acting much the same as a reinforcing bar does in concrete.						
Saturant Coat	Protecto-Glass 160XT (neat)	15-20 mils (381-508 microns)	80-107 ft²/gal (2-2.6 m²/l)	Part A Part B	Short nap mohair ribbed roller / Brush	2 hours (min)
Note: Prior to the application of any further coats, the troweled basecoat, 1oz glass mat, and saturant layers must be allowed to dry enough that they can be ground to provide profile for successive coats and remove any high spots or protrusions on the entire surface then it must solvent wiped. Use caution not to grind through the reinforcing layer						
Sealer	Protecto-Coat 100XT	15-20 mils (381-508 microns)	80-100 ft²/gal (2-2.5 m²/l)	Part A Part B	Short nap mohair roller / Brush / Spray	4 hours (min) 4 days (max)
*Recoat time at 75°F [24°C].						

Protecto-Glass 160XT

SYSTEM INFORMATION SHEET



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.

After applying the primer, mix Protecto-Glass 160XT Part A, Part B, and G-1 Filler per the mixing instructions. Apply a 1/16" (1.57 mm) thick basecoat to a smooth, even finish using a trowel.

Adding reinforcement and saturant:

Before the basecoat begins to cure, press one layer of 1oz chopped strand fiberglass mat into the wet basecoat. Overlap all edges by 1-inch. Use a stiff, natural bristle brush or short nap roller and press the mat firmly into the basecoat, using a technique similar to hanging wallpaper, to remove all air pockets and wrinkles.

Saturate the fiberglass by mixing Parts A and B only, do not add the G-1 filler, to make a neat resin mixture. Roll vigorously using a short nap roller until the mat has lost its white color and turns translucent, paying special attention to overlaps and corners. Use enough resin to wet out the mat, but do not allow the saturant to puddle. Roll the wet fiberglass with a ribbed roller to remove any trapped air or wrinkles. Allow the basecoat and reinforcement application to dry overnight.

Before applying the topcoat, examine the fiberglass for any air bubbles or blisters. If these are present, they must be cut out and repaired using the procedure above. The topcoat will emphasize any imperfections in the fiberglass. Excessive blistering of the basecoat reinforcement may indicate inadequate rolling or too little saturant.

Prior to the application of any further coats, the troweled basecoat, 1oz glass mat, and saturant layers must be allowed to dry long enough that they create dust when grinding the entire surface, which provides a profile for successive coats and removes any high spots or protrusions that would affect the finish. Then, it must be solvent wiped. Use caution not to grind through the reinforcing layer.

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 5 or greater 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.

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 Tech Service with questions.

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