Structure Guard® -FB

Ultra High Build Micro Fiber Reinforced Mastic

TECHNICAL DATA

TYPICAL PERFORMANCE CHARACTERISTICS*

CHARACTERISTICS	TEST METHOD	PERFORMANCE
Tensile Strength	ASTM D638-14	4,150 psi | 28.6 MPa
Tensile Elongation	ASTM D638	70%
Compression Strength	ASTM D695-13	9,650 psi | 66.5 MPa
Flexural Strength	ASTM D790-15e2	437 ksi | 3,000 MPa
Flexural Modulus	ASTM D790-15e2	8,950 psi | 61.7 MPa
Adhesion to Concrete	ASTM D7234	Substrate Failure

**The values stated in inch-pound units are to be regarded as the standard. The values given in international system are for information only.*

PRODUCT DATA

- **Color — Green**
- **Solids — 100% (No Solvents)**
- **No VOCs**
- **Thickness — 125 to 2,000 mils | 3.2 to 51mm**
- **Finish — Very Smooth or Textured**
- **Flash Point — N/A**
- **Number of Components — 2**
- **Theoretical Coverage — 6.4 sq. ft. per gallon 250 mils | 6.35mm**

DESCRIPTION

Quadex® Structure Guard®-FB is an ultra high-build epoxy mastic, designed to fill gaps and voids in both new infrastructure and existing damaged infrastructure. With unmatched flexural strength, this 100% solids formula is an ideal underlayment material for use in combination with Quadex Repair Materials. For optimal installation, trowel application is required.

APPLICATIONS

- **Manholes, wet wells, vaults & septic tanks**
- **Steel substrates**
- **Floor and wall penetrations/cracks**
- **Simple spot repair**
- **Extreme bonding to nearly all substrates**
- **Fast curing**
- **Easy workability**
- **2” | 50.8mm build capability with no sag**
- **Void and Gap fill**

CURE TIME @ 70°F | 21°C

- **Re-coat — 1 hour**
- **Water Contact — 4 hours**
- **Final Cure — 24 hours**

POT LIFE

@ 70°F | 21°C — 10 minutes

PACKAGING

¾ gallon | 2.8 L kit

QUADEX® A VORTEX COMPANY REPAIR MATERIALS

VORTEX

WARRANTY

Quadex, LLC warrants its products to be free of defects in material and workmanship. Within one year from purchase, if any Quadex, LLC product is proven defective, the company will replace said product or refund its purchase price at its sole discretion. The company's obligation shall be limited solely to such replacement or refund. There are no other warranties by Quadex, LLC, expressed or implied. There is no warranty if Quadex products are stored or used contrary to Quadex, LLC's written directions.

RE-COAT

Must be abraided with the equivalent of 60 grit sand paper after 1 hr.

STORAGE TEMP

70°F | 21°C

SHELF LIFE

12 months unopened

MIXING

¾ gallon | 2.8 L pre measured kit: Pour part B into bucket containing part A. Mix for 3 minutes or until A and B are completely mixed. **Do not attempt partial batches. Mix complete kit.**

APPLICATION EQUIPMENT

Directly applied to substrate. Use trowel or putty knife to smooth material.

SURFACE PREP

Coating performance is largely determined by the degree of surface preparation. MORE IS BETTER.

CONCRETE AND MASONRY substrates must be prepared in a manner that provides a uniform, sound, clean, neutralized surface with sufficient profile suitable for the specified coating. The substrate may require cleaning prior to surface preparation compliant with SSPC-SP 1, as it must be free of all contaminants such as oil, grease, rust, scale or deposits. A surface profile equivalent to a CSP 5 or greater must be created in accordance with ICRI 310.2R, or the substrate must be prepared in accordance with SSPC WJ2; this can generally be achieved by abrasive blasting, shot blasting, or high pressure water cleaning (HPWC - 5,000-10,000 psi | 34-70 MPa).

STEEL surfaces may require cleaning prior to surface preparation compliant with SSPC-SP 1 to remove oil, grease and other soluble contaminants. Identification of the contaminants, along with their concentrations, may require additional laboratory and field testing. Surfaces to be coated should then be prepared according to SSPC-SP 10 "Near White Blast Cleaning" for all service. The resulting anchor profile shall be 3.5-5.0 mils and be relative to the coating thickness specified.

CLEAN UP

Acetone. Refer to Safety Data Sheet (SDS) for safety and health information.

ENVIRONMENTALLY SAFE

No harmful VOCs or odors.