

# Structure Guard<sup>®</sup> -FM

**TECHNICAL DATA**

**TYPICAL PERFORMANCE CHARACTERISTICS\***

CHARACTERISTICS	TEST METHOD	PERFORMANCE
Tensile Strength	ASTM D638	4,150 psi   28.6 MPa
Compression	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 Concrete	ASTM D4541-09	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.*

**TECHNICAL INFORMATION**

- Color — Green
- Solids — 100% (no solvents)
- Volatile Organic Compounds (VOCs) — 0
- Thickness — 125 to 250 mils | 3.2 to 6.4mm per coat
- Flash Point — N/A
- Number of Components — 2

## Micro-Fiber Reinforced Mastic

**DESCRIPTION**

Quadex<sup>®</sup> Structure Guard<sup>®</sup>-FM is a 100% solids epoxy mastic used to protect new infrastructure and to rehabilitate existing, damaged, infrastructure. Structure Guard-FM is best applied using a trowel.

**TYPICAL 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
- 250 mil | 6.4mm build capability with no sag
- No mixing means faster application

**CURE TIME @ 70°F | 21°C**

- Re-coat — 2 hours
- Water Contact — 4 hours
- Final Cure — 24 hours

**POT LIFE**

@ 70°F | 21°C — 10 minutes

**PACKAGING**

- Net Weight — 2.5 lbs | 1.13kg (usable material)/cartridge
- 15 lbs | 6.8kg (usable material)/case (6 cartridges)
- .75 gallon | 2.85 L kit





#### 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 used contrary to Quadex, LLC's written directions.

#### RE-COAT

Must be abraded with the equivalent of 36 grit sand paper after 24 hrs.

#### STORAGE TEMP

70°F | 21°C

#### SHELF LIFE

24 months unopened

#### THEORETICAL COVERAGE

- **Per gallon: 6.4 Sq. ft. | 0.6 Sq. m. @ 250 mils | 6.35 mm**
- **Per Liter: 0.16 Sq.m. @ 6.35mm**
- **Per 6 cartridge case: 9.12 Sq. ft. | 0.85 Sq. m. @ 250 mils | 6.35mm**

#### MIXING RATIO

2 to 1 in prepackaged cartridge. Use with 600 ml x 300 ml cartridge dispenser. Use only the material that the job requires, leaving virtually no wasted material.

.75 gallon | 2.85 L pre measured kit: Pour part B into bucket containing part A. Mix for 3 minutes or until A and B are completely mixed.

#### APPLICATION EQUIPMENT

Directly applied to substrate from static mixing tip. Use trowel or putty knife to smooth material.

#### SURFACE PREP

Concrete/Brick: Substrate surface must be Hydro Blasted at 5,000 psi | 345 bar, removing any loose concrete or other material. Must be free of grease and oil. **ALL SURFACES MUST BE DRY, CLEAN AND FREE FROM OIL, GREASE AND OTHER CONTAMINANTS!**

#### CLEAN UP

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

#### ENVIRONMENTALLY SAFE

No harmful VOCs or odors. Disposable packaging and minimal waste.