

## Structure Guard<sup>®</sup> - Water [SE3000]

### TECHNICAL DATA

#### TYPICAL PERFORMANCE CHARACTERISTICS\*

CHARACTERISTICS	TEST METHOD	PERFORMANCE
Tensile Strength	ASTM D638	3,000 psi   20.7 MPa
Compression	ASTM D695	9,500 psi   65.5 MPa
Flexural Strength	ASTM D790	6,000 psi   41.4 MPa
Flexural Modulus	ASTM D790	430 ksi   2.965 MPa
Adhesion Concrete	ASTM D4541	Substrate Failure
Adhesion Steel	ASTM D4541	1,000 psi   6.9 MPa

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

### APPLICATION

- **Pre Heat:** 80°F | 26.7°C Part A and Part B (No solvent used in thinning)
- **Plural Component Equipment Spray Equipment:** Graco XM50 or Graco XP70
- **Gun Setup:** Can be applied at 40-60 psi | 2.75-4.15 bar at the gun using a 517 tip size.
- **Mil Thickness:** Apply 40-100 mils | 1.0-2.5mm per coat.
- **Recoat Time:** Must be recoated with in 6 hours. After 6 hours the first coat must be abraded.

## NSF 61 Certified Epoxy Protective Coating

### DESCRIPTION

Quadex<sup>®</sup> Structure Guard<sup>®</sup> - Water (SE3000) is a 100% solids epoxy coating made for plural component spray application. NSF 61 certified for pipe as small as 4" | 1,000 mm diameter and tanks 50 gallons | 189 L and larger. With a 25 minute pot life and extended recoat time, Structure Guard - Water is the perfect product to coat long pipelines and large water tanks.

### FEATURES AND BENEFITS

- NSF 61 Certification
- Low Viscosity
- Smooth Finish
- 100% Solids, No VOCs, and No PFAs

### TYPICAL USES

- Concrete and Steel Potable Water Tanks
- Potable Water Pipelines
- Raw Water Tanks
- Raw Water Pipelines
- Fiberglass Potable Water Tanks

### CURE TIME

- **Recoat:** 6 hours
- **Full Chemical Cure (NSF):** 4 days @ 70°F | 21.2°C
- **Set Time:** 4 hours at 70°F | 21.2°C

### POT LIFE

@ 77°F | 25°C - 25 minutes

### PACKAGING

5 gallon | 18.9L buckets (15 gallon | 56.8L kit)  
55 gallon | 208L drums (156 gallon | 590L kit)



#### **WARRANTY**

**Quadex, LLC warrants its products to be free of defects in material and workmanship.** Unless superseded by project specifications and terms agreed upon in writing between installer and Quadex prior to bid, if within one year from purchase, any Quadex, LLC product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.

#### **SURFACE PREP**

##### **Existing 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 must be free of all contaminants, such as oil, grease, rust, scale or deposits and have a surface profile equivalent to a CSP3 to CSP5 in accordance with ICRI Technical Guideline No. 03732. This can generally be achieved by abrasive blasting, shot blasting, high pressure water cleaning, water jetting, acid etch, hot water/steam cleaning or a combination of methods

##### **New Concrete and Masonry**

Substrates must be sandblasted to achieve a CSP4.

##### **Steel/Metal**

Near-White Blast SSPC-SP10/NACE 2

#### **MIXING**

2 parts Structure Guard® - Water Part A to 1 Part Structure Guard® - Water Part B

#### **CLEAN UP**

Acetone or MEK

#### **SAFETY**

Structure Guard - Water contains Amines that can be harmful to skin and eyes. If contact with skin or eyes rinse thoroughly with water. See SDS for full instructions. Always consult a medical physician with concerns.