

STRUCTURE GUARD®-RS



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STA3
TECHNOLOGIES

SE 1000

STRUCTURE GUARD®-RS TECHNICAL DATA SHEET

Rev. 08-2017



**REPAIR
MATERIALS**

Typical Performance Characteristics

- Color: Light Bluegreen
- Flash Point - > 250°F (121°C)
- Pull-Off Adhesion: ASTM D 4541
Minimum adhesion is 2750 psi
- Specific Gravity Resin: 1.45
Hardener: 0.97
- Dry Service -30°F - 250°F (121°C)
- Spill/Splash 190°F (87.7°C)
- Immersion Service* 150°F (65.5°C)*

CHEMICAL RESISTANCE

- Acetic Acid 10%
- Ammonium Hydroxide 25%
- Brine Water
- Copper Sulfate
- Diesel Fuel
- Fatty Acids
- Gasoline
- Hydrochloric Acid up to 20%
- Mineral Spirits
- Potassium Hydroxide 50%
- Crude Oil
- Caster Oil
- Ethylene Glycol
- Sodium Chloride
- Sodium Hydroxide 50%
- Sulfuric Acid 75%
- Sewage (Hydrogen Sulfide)
- Alkalis
- Fresh and non-potable water
- Wine
- Ethanol

POT LIFE

- 40°F (4°C) 30 minutes
- 75°F (24°C) 20 minutes
- 92°F (33°C) 10 minutes

CORROSION RESISTANT PROTECTIVE COATING

DESCRIPTION

Quadex™ Structure Guard®-RS is a 100% solids, ultra high-build fast setting epoxy coating system. Structure Guard-RS can be troweled up 1/2" thick on vertical surfaces to repair and recontour highly irregular surfaces. Prior to final topcoats, Structure Guard-RS is an ideal underlayment for severely deteriorated manholes, pump stations, treatment plants, or any deteriorated wastewater infrastructure components.

FEATURES AND BENEFITS

- 100% Solids, No VOCs
- Excellent Immersion Resistance
- Ultra High Build
- Fast Setting

CURE TIME (at 70°F or 21°C)

- Set Time — 15 minutes
- Re-coat Window — 4 hours
- Light Loading — 2 - 4 hours
- Immersion (Aqueous) Service — 30 min. - 1 hour
- Full or Chemical Service — 7 days

MULTIPLE COATS

Second and subsequent coats must be applied before the previous coat has completely cross-linked. If additional coats are needed after re-coat window, brush blast before applying the next coat. Small areas may be abraded by sanding or wire brushing.

The same requirement applies when overlapping the seams of adjacent coating sections to create a continuous protective film. If the coating surface to be overlapped at the seam cannot be brush blasted, use a non-impact means such as power brushing or sanding to create a mechanical profile.

PACKAGING

Quadex™ Structure Guard®-RS is available in 1 and 5 gallon pails. Ratio: 1 part A to 1 part B.

YIELD

Quadex Structure Guard-RS will yield an approximate theoretical coverage of 12.5 sq. ft. per gallon at 125 mils thickness.

WARRANTY

Quadex warrants its products to be free of defects in material and workmanship. Quadex will replace any product proved to be defective when applied in accordance with manufacturer's instructions. Quadex's obligation shall be limited solely to such replacement. There are no other warranties by Quadex, expressed or implied.

