



QUADEX
SEWER REHABILITATION PRODUCTS

STRUCTURE GUARD EPOXY

Corrosion Resistant Protective Coating

DESCRIPTION:

Quadex Structure Guard is a 100% solids high build epoxy coating system. Quadex Structure Guard is specifically engineered to provide long term protection for manholes, pump stations, treatment plants, or any wastewater infrastructure components that is subjected to extremely high levels of hydrogen sulfide induced corrosion. Quadex Structure Guard can also be used as an interior or exterior pipe lining or coating.

FEATURES AND BENEFITS:

- 100% Solids, No VOC's
- Can be sprayed applied at 125 mils in a single pass
- Excellent immersion resistance

TYPICAL PERFORMANCE DATA:

Color Light Green
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)*

APPLICATION SYSTEMS

Pump Heated (plural) Spray Units
Minimum Output 5600 psi
Product Hose: Min. - Optimum I.D. 0.375 - 0.5 inch
Max. Length 100 feet

CURE TIME (at 70°F or 21°C)

Re-coat Window 4 hours
Light Loading 1 day
Immersion (Aqueous) Service 24 hours
Full or Chemical Service 7 days

POT LIFE

40°F (4°C) 1 hour
75°F (24°C) 35 minutes
92°F (33°C) 20 minutes

CHEMICAL RESISTANCE

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

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 as power brushing or sanding to create a mechanical profile.

PACKAGING:

Quadex Structure Guard is available in 5 gallon pales and 55 gallon drums

YIELD:

Quadex Structure Guard will yield an approximate theoretical coverage of 12.5 sq. ft per gallon @125mils 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.