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SE 3000

STRUCTURE GUARD® - WATER TECHNICAL DATA SHEET



A VORTEX COMPANY

REPAIR MATERIALS

Description

SE 3000 is a 100% solids epoxy coating made for plural component spray application. NSF 61 certified for pipe as small as 4" diameter and tanks 50 gallons and larger. With a 25 minute pot life and extended recoat time, SE 3000 is the perfect product to coat long pipelines and large water tanks.

CORROSION RESISTANT EPOXY PROTECTIVE COATING

FEATURES AND BENEFITS

- NSF 61 Certification
- Long Pot Life
- Extended Recoat Time
- Low Viscosity
- Smooth Finish
- 100% Solids / No VOC

TYPICAL USES

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

PHYSICAL PROPERTIES

- Pot Life: 25 minutes
- Cure Time: 4 hours at 70°F
- Full Cure: 4 Days
- Return to Service: 4 Days

3RD PARTY TESTING

Tensile Strength	ASTM D638	3,000psi
Compression	ASTM D695	9,500 psi
Flexural Strength	ASTM D790	6,000 psi
Flexural Modulus	ASTM D790	430,000 psi
Adhesion Concrete	ASTM D4541	Substrate Failure
Adhesion Steel	ASTM D4541	1000 psi

SURFACE PREP

Existing Concrete: Must be Hydro blasted using a turbo tip at 4000psi until all loose concrete is removed.

New Concrete: must be cured for 28 days prior to application of SE 3000. Abrasive blast in accordance to SSPC-SP13/NACE 6 must be performed prior to application of SE 3000.

Steel/Metal: Near-White Blast SSPC-SP10/NACE 2

MIXING

2 parts SE 3000 to 1 Part SE 3000 B

APPLICATION

- Pre Heat: 80 Degrees Farenheit 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 at the gun using a 517 tip size.
- Mil Thickness: Apply 40-60 mils per coat.
- Recoat Time: Must be recoated with in 12 hours. After 12 hours the first coat must be abraded.

CLEAN UP

Acetone or MEK

PACKAGING

5 gallon buckets (15 gallon kit)
55 gallon drums (150 gallon kit)

SAFETY

SE 3000 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.