

**SPECIAL APPLICATIONS ONLY**



**Environmental Coatings**

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**PRODUCT DATA SHEET**  
**FLEX-GUARD 250 SYSTEM**

Part of Sewer Shield Systems

**Product Description**

- Flex-Guard 250 System is a unique, 100% solids, monolithic, solvent free, epoxy system designed to be applied over concrete/steel walls and floors.
- Flex-Guard 250 System consists of a seal coat, 1 ½ oz. fiberglass matt and a topcoat of Flex-Guard 250 System, which when applied to walls or floors, will form a resilient, monolithic surface.
- Due to the resiliency and polyester fabric, Flex-Guard 250 System has the ability to resist cracking due to changes in the weather.

**Special Features**

- Hides Joints and Cracks
- Continuous Weave Polyester Fabric
- Meets U.S.D.A. Requirements
- Low Odor / Solvent Free
- Resin Rich Surface for Chemical Resistance
- Adhesion to Clean, Sound Damp Concrete
- Built in Resiliency for Thermal Shock
- Excellent Chemical Resistance

**Application**

- Inside or Outside Containment Areas
- **Application Instructions**
  1. Remove all existing coating.
  2. Mechanically clean (sandblast) walls and floors to remove all oils and contaminants.
  3. Repair all cracks and voids to floors and walls with acid proof cement.
  4. Apply seal coat of Flex-Guard 250 sealer.
  5. Embed the polyester mat into the sealer and wet out with another coat of Flex-Guard 250 Sealer.
  6. After Flex-Guard 250 has set, apply a final coat of Flex-Guard 250 sealer to give a finished total thickness of approximately 1/8".
  7. Caulk around all tank bottoms and pad as well as any piping that is imbedded into the concrete.

**Colors**

Black, White, Ivory, Gray, Dark Gray, Brick Red, Beige, Green and Brown. Special colors are available upon request, for an additional charge.

**Precautions**

As with all epoxies, good hygienic habits must be observed and the wearing of protective clothing and gloves is advised. Before using this product, please read the material safety data sheet.

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<b>Set Times (Slab Temperature)</b>	<b>50°F</b>	<b>73°F</b>	<b>90°F</b>
Pot Life	1 Hour	45 minutes	25 minutes
Recoat Time - Floors	18 Hours	15 hours	12 Hours
Recoat Time - Walls	12 Hours	9 hours	6 Hours
Foot Traffic	18 Hours	15 hours	12 Hours
Forklift Traffic	72 Hours	48 hours	24 Hours
Full Chemical Resistance*	9 Days	7 days	5 Days

\* Refer to Chemical Resistance Chart

<b>ASTM</b>	<b>TEST METHOD @ 73°F.</b>	<b>Results</b>
C579	Compressive Strength	5946 psi
C579	Percent Compressive Resiliency	42.73%
C579	Compressive Strength @ Yield	1608 psi
C579	Percent Compressive Resiliency @ Yield	6.36%
C580	Flexural Strength	2700 psi
C580	Flexural Modulus of Elasticity	1,43 x 10 <sup>5</sup>
C307	Tensile Strength	1500 psi
C307	Percent Tensile Elongation	15.51%
C321	Bond Strength to Concrete	Failure in Concrete
C884	Thermal Compatibility to Concrete	Pass

### WARRANTY

WARRANTY - All products manufactured by us are warranted to first class material and free from defects in material and workmanship. Liability under this warranty is limited to the net purchase price of any such products proven defective, or, at our option, to the repair or replacement of said products upon their return to us transportation prepaid. All claims hereunder on defective products must be made in writing within 30 days after the receipt of such products in your plant and prior to further processing or combining with other materials and products. WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY OF ANY OF OUR PRODUCTS FOR ANY PARTICULAR USE, AND WE SHALL NOT BE SUBJECT TO LIABILITY FROM ANY DAMAGES RESULTING FROM THEIR USE IN OPERATIONS NOT UNDER OUR DIRECT CONTROL.

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND NO REPRESENTATIVE OF OURS OR ANY OTHER PERSON IS AUTHORIZED TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS.