



**09 96 00**  
**FIBERGLASS MAT REINFORCED EPOXY WALL SYSTEM**

**PART 1: GENERAL**

**1.01 DELIVERY AND STORAGE**

- A. Material shall be delivered to project site in manufacturer's original unopened containers.
- B. Materials shall be stored indoors, protected from damage, moisture, direct sunlight and temperatures below 70 degrees F. or above 90 degrees F.

**1.02 ENVIRONMENTAL CONDITIONS**

- A. Surface and surrounding air temperatures must exceed 55 degrees F. but must be less than 90 degrees F., with materials at not less than 70 degrees F. during application.

**1.03 QUALIFICATION OF APPLICATOR**

- A. Installation shall be performed by an applicator having satisfactory experience in the application of these or similar materials or with on-site consultation by a qualified field service representative of the manufacturer.

**1.04 SUBMITTALS**

- A. Prior to commencing work, submit to owner, manufacturer's technical information and installation details describing materials to be used.
- B. Owner, contractor, and manufacturer shall review and mutually agree upon color, grade, and final texture of coating system before starting installation. The acceptance of a sample will constitute the job standard by which installation will proceed.

**PART 2. PRODUCTS**

**2.01 SYSTEM**

- A. Sunbelt 2100 Fiberglass Mat Reinforced Epoxy Wall System



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2.02 MATERIALS

- A. Primer: Sunbelt Epoxy Primer, two-component, penetrating polyamine cured epoxy primer.
- B. Body Coat: Sunbelt 2100 Pigmented Epoxy, three-component, fiberglass mat reinforced, polyamine cured epoxy.
- C. Intermediate glaze coat: Sunbelt 2100 Pigmented Epoxy, two-component, polyamine cured epoxy.
- D. Finish coat: Sunbelt UR, Two component, Water-based Urethane

2.03 MANUFACTURER

- A. Sunbelt Flooring Inc. 14251 Fern Ave. Chino, CA 91710  
909-606-7623 [www.sunbeltflooring.com](http://www.sunbeltflooring.com)

Part 3. EXECUTION

3.01 PREPARATION

- A. If surface is concrete, allow it and mortar to cure 28 days. Surfaces must be clean, dry, and free of oil, grease and other contaminants. Level protrusions and mortar spatter. Voids and other defects should be filled with recommended filler or surfacer.
- B. Applicator must report, in writing, surfaces left in improper condition by other trades. Application will constitute acceptance of surfaces by applicator.
- C. Prepare surfaces as required, per manufacturer's printed instructions.

3.02 INSTALLATION

- A. Priming: All surfaces shall be primed by brush, roller, or spray applied uniformly at a dry film thickness of 6 to 8 mils. The primer shall be mechanically mixed and applied in accordance with manufacturer's



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instructions, then allowed to cure to “initial set” or until tacky before proceeding with application of the intermediate coat.

- B. Intermediate Coat: The fiber reinforced intermediate coat shall be mechanically mixed in accordance with instructions and uniformly applied to all surfaces by brush, roller or airless spray. Materials shall be applied at a total dry film thickness of 25 to 35 mils including liquids and fiberglass reinforcing mat. The intermediate coat shall be allowed to cure for a minimum of 8 hours, but not longer than 24 hours before application of topcoat. Before top coating, the surface should be pole sanded to smooth surface and remove all protruding fibers. If more than 24 hours have elapsed between coats, the Sunbelt 2100 coated surface must be mechanically abraded before top coating.
- C. Intermediate glaze coat: The high solids epoxy glaze coat shall be mechanically mixed in accordance with manufacturer’s instructions and applied by roller or airless spray at a dry film thickness of 6 to 8 mils. Small areas and areas that meet the floor, ceiling or other walls may be brushed
- E. Topcoat: The Water-based epoxy topcoat shall be mechanically mixed in accordance with manufacturer’s instructions and applied by roller or airless spray at a dry film thickness of 3.5 to 5 mils. Small areas and areas that meet the floor, ceiling or other walls may be brushed

3.03 JOB STANDARDS

- A. Prior to commencing the installation, the contractor shall install, with the owner’s approval, a mutually agreed upon test sample to show final color and texture of the system. This test area shall serve as a job standard for the final installation.

3.04 CLEANUP

- A. Remove waste materials, rubbish, and debris and dispose of them at the owner’s direction. Leave work areas in a clean condition.



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3.05 PROTECTION

- A. Protect the completed work from water, airborne particles or other surface contaminants for a minimum of 24 hours after application.
- B. Protect from traffic, physical abuse, immersion and chemical exposure for 24 hours at 75 degrees F. For different temperatures, consult the manufacturer's representative for curing times.