TARALAC®

TARA PAINTS & CHEMICALS

A/423/14, MAHAGUJARAT INDUSTRIAL ESTATE, SARKHEJ-BAVLA ROAD, B/H. SARVOTTAM HOTEL LANE, VILLAGE-MORAIYA, AHMEDABAD - 382210

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SELF LEVELING EPOXY FLOORING PREPRATION

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

1. Furnish and install the self leveling epoxy flooring system as specified and indicated. Prior to installation, provide decontamination and cleaning as specified. The term "self leveling epoxy flooring system" as used in this section will include the primers, resin systems and aggregate materials, optional topcoat, cove building materials, and any related materials for the project.

1.01 ENVIRONMENTAL CONDITIONS

1. Surfaces 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.
2. Do not apply coating materials when dust is being generated.
3. Incandescent lamp per 100 square feet of work area should be there for proper screening of work.
4. Materials shall be stored indoors, protected from damage, moisture, direct sunlight and temperatures below 40 degrees F or above 90 degrees F.
5. All materials shall be handled and stored to prevent damage or loss of label.

PART 2 - PRODUCTS

2.01 MATERIALS

1. Primer: Epoxy primer, two-component, moisture tolerant, modified polyamine, penetrating epoxy primer applied at 6 to 8 mils dry.
2. Intermediate: Even Flow SL, a high gloss, aggregate filled, high build, self-leveling epoxy topping applied at 30 to 100 dry mils per coat, required for more than 2MM coating.
3. Topcoat (Optional): A chemical resistant urethane/Epoxy topcoat applied at 2 to 3 mils dry.
4. Optional Flexible Underlayment: Flexible elastomeric epoxy underlayment used for bridging small substrate cracks in concrete and as a protective membrane under aggregate reinforced flooring systems. To be applied at 30 to 40 dry mils. Thickness and number of coats will vary depending on substrate roughness or profile depth.

PART 3 - EXECUTION

3.01 GENERAL

1. Protection
   Mask, cover, or otherwise protect all surfaces, equipment, and finishes not to receive the self leveling epoxy flooring system specified in this Section.
2. Mock-up
   1. Prior to commencing the installation, the Contractor shall install with the owner's approval, a mutually agreed upon mock-up test sample to show final color and appearance of the self-leveling epoxy flooring system.

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3.02 PREPARATION

1. Allow new concrete to cure for 28 days. Verify dryness by testing for moisture with a "plastic film tape-down test". (Reference ASTM D4263)
2. Shot-blast or mechanically abrade to remove laitance, curing compounds, sealers and other contaminants and to provide surface profile. (Reference ASTM D4259, ICRI CSP 3-6).
3. Vacuum clean concrete to remove all dirt, dust, and other loose materials.
4. After mechanically abrading, verify that all surfaces are clean, dry and free of any contaminants, which could adversely affect the adhesion of the flooring system.
5. If between final surface preparation work and self leveling epoxy flooring system application, contamination of the prepared and cleaned substrates occurs, re-cleaning shall be required until the requirements of this Section are met.

3.03 INSTALLATION

1. Primer: The primer shall be mechanically mixed, applied and cured in strict accordance with manufacturer's printed instructions and applied uniformly at a film thickness of 6 to 8 dry mils.
2. Cant Cove or rolled radius cove bases shall be installed as required and as indicated on the Standard Flooring Details.
3. Self-Leveling Epoxy Flooring: The material shall be mixed, throughly. Apply by notched squeegee, notched trowel, or gauge rake and pork pine rolled to a thickness of 30 to 100 mils per coat. Additional coats may be applied for appearance.
   Note to Specifier: Floor and wall transitions can be formed to have a cant cove or rolled radius cove. This will provide a seamless wall to floor transition.
4. Top Coat (Optional): The high-solids, chemical resistant urethane/Epoxy top coat shall be mechanically mixed, applied and cured in strict accordance with manufacturer's printed instructions and applied at a film thickness of 2 to 3 dry mils.
5. Expansion joints, and all self leveling epoxy flooring system terminations shall be installed as indicated on the Standard Flooring Details.
6. Fill all cracks and recessed joints, such as control and construction joints with TARALAC Epoxy primer and fumed silica. When filled, joint should be flush with the floor surface.

3.04 CLEANUP

1. Remove waste materials, rubbish, and debris and dispose of them at the owner's direction. Leave work areas in a clean and tidy condition.

3.05 PROTECTION

1. Protect the completed work from water, airborne particles or other surface contaminants until cured for a minimum of 24 hours after application.
2. Protect from traffic, physical abuse, immersion and chemical exposure until the complete system has thoroughly cured for 24 hours at 75 degrees F. If additational topcoat is used, a minimum of 96 hours @ 75 degrees F is required for full cure. For different temperatures, consult the manufacturer's representative about curing times.