

TERRATONO® DECORATIVE RESINOUS FLOORING

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Decorative resinous flooring systems, specifically colored vinyl chip as manufactured by aiflooring.
- B. Related Sections: Section(s) related to this section include:
 - 1. Concrete Substrates: Division 3 Concrete Sections.

1.02 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide resinous flooring that has been manufactured and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

1.03 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer's Technical Data product sheet, for specified products, and manufacturer's installation instructions.
- C. Samples: Submit selection and verification samples for finishes, colors and textures.

1.04 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
 - a. Installer shall be an established company with at least 3 years of experience in the installation of polymer floors.
 - b. Contractor shall demonstrate the ability to undertake and complete the required work and furnish documentation regarding the successful completion of projects of similar size and complexity.
 - 2. Manufacturer Qualifications: Manufacturer shall be capable of providing technical support, qualified applicators, and approval of application methods.
- B. Preinstallation Meetings: Conduct a preinstallation meeting to verify flooring system specifications (color, texture, etc.), substrate analysis, and manufacturer's installation instructions.
- C. Preinstallation Testing: Conduct preinstallation testing as follows:
 - Water Vapor Transmission: Calcium Chloride tests should be conducted to determine the amount of water vapor coming through the slab. The results should be compared to limitations set forth by the manufacturer.
 - Core Sample Testing: (optional) Core samples should be taken and analyzed if the installer believes there to be a problem with the integrity of the substrate that may affect flooring system performance.

1.05 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirements Sections.
- B. Ordering: Comply with Manufacturer's ordering procedures and allow for enough lead-time for custom blends so as not to interfere with construction schedules.
- C. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- D. Storage and Protection: Store materials where they are protected from direct sunlight and harmful weather conditions. Meet manufacturer's condition for temperature, humidity, etc.

1.06 PROJECT CONDITIONS

- A. Environmental Requirements/Conditions: Substrate and ambient air temperature shall be in accordance with manufacturer's requirements.
- B. Temperature Requirements: Maintain air temperature in spaces where products will be installed for time period before, during and after installation as recommended by manufacturer.

PART 2 PRODUCTS

2.01 RESINOUS FLOORING

- A. Manufacturer: aiflooring.
 - 1. Contact: 1218 West 41st Street, Suite B, Tulsa Oklahoma 74107. Phone: 918-445-0627

2.02 TERRATONO® FLOORING SYSTEM

- A. System Description: TerraTono® is a decorative polymer flooring system with a final thickness of 20-30 mils. The system consists of a primer, the TerraTono Powder product which, along with Effectorator, will create the unique look, and TerraThane® BlueLine.
- B. TerraTono® Components:
 - 1. TerraPrime: A 2 component 100% solids, non-blushing polyamide cured epoxy coating. It is supplied clear and the TerraTono® powder is added in order to provide the metallic base for the system. Also, it can optionally be used as a prime coat application prior to the installation of the metallic coat.
 - 2. TerraTono® Powder: A premeasured amount of the decorative metallic pigment. The TerraTono® powder is added to both TerraPrime and TerraThane® BlueLine coats.
 - 3. TerraThane® BlueLine: A 2 component 90% solids polyurea coating. It is supplied clear and the TerraTono® powder is added to it and, with the aid of Effectorator, it will create the final metallic appearance.
 - 4. Effectorator: A single component, solvent based product. It is sprayed onto the uncured TerraTono in order to create the effect.
 - 5. TerraThane® Satin (optional): A 2 component polyurea that provides a satin finish.

2.03 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

2.04 SOURCE QUALITY

- A. Source Quality: Obtain resinous materials, including patching and leveling materials from a single manufacturer.

PART 3 EXECUTION.

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical data sheets and application instructions.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.
 - 1. Before applying materials, inspect surfaces to receive new materials and report any unsatisfactory conditions. Absence of any such report shall constitute installer's acceptance of surfaces as satisfactory for installing materials.

3.03 PREPARATION

- A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation.
- B. Surface Preparation:
 - 1. Mechanical Cleaning: Concrete floor surfaces receiving polymer flooring systems shall be thoroughly cleaned and prepared by shotblasting. Areas not accessible shall be mechanically scarified.
 - 2. Patching Damaged Substrate: Holes, voids, static cracks, and other substrate surface defects should be patched and repaired according to manufacturer's recommendations.

3.04 INSTALLATION

- A. Resinous Flooring Installation: The following are abbreviated guidelines that provide for basic application steps for the installation of the systems. Detailed instructions should be obtained from the manufacturer.
 - 1. TerraTono® System:
 - a. Patching: Patch surface defects according to manufacturer's recommendations
 - b. Priming (optional): Prime according to manufacturer's recommendation.
 - c. TerraPrime: Add 2 TerraTono® Powder packets per 3 gallon kit and apply at a rate of 125-150 using a squeegee and then backroll to ensure even coverage.
 - d. TerraThane® BlueLine: Add 1 TerraTono® Powder packet per 3 gallon kit and apply at a rate of 125-150 sq. ft/gallon using a squeegee and then backroll to ensure even coverage.
 - e. Effectorator: Use a pump sprayer with adjustable nozzle to sparingly apply over the TerraThane® BlueLine product immediately after its application. EFFECTORATOR MUST BE APPLIED WITHIN 15-20 MINUTES OF THE ACTIVATION OF THE TERRATHANE BLUELINE. The decorative effect that is created will depend on the number and timing of Effectorator passes, as well as the size of the droplets. Contact manufacturer for more details.
 - f. Satin Finish Coat (optional): TerraThane® Satin can be applied at a rate of 150-200 sq. ft. per gallon..

3.05 CLEANING

- A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

3.06 PROTECTION

- A. Protection: Protect installed product and finish surfaces from damage during construction.

END OF SECTION