

FRESNO UNIFIED SCHOOL DISTRICT SCOPE OF WORK

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. The work of this contract is comprised of existing subfloor preparation and the installation of new resinous flooring finish.
 - 1. SITE: Cooper Middle School
ADDRESS: 2277 West Bellaire, Fresno, CA 93705
FLOORING SYSTEMS: Resinous Flooring
- B. Field measurements: Contractor takes sole responsibility for taking measurements of building in order to determine necessary material quantities for bidding and construction.
- C. Schedule of work: Anticipated Notice to Proceed July 20, 2020.

1.02 RELATED DOCUMENTS:

- A. The following attachments are components of this section:
 - 1. Finish Floor Plan
 - 2. Site Key Plan
 - 3. Specification Section 096723 Resinous Flooring

1.03 CONTRACTOR RESPONSIBILITIES:

- A. Contractor shall provide all labor, materials and equipment as necessary for the installation of specified flooring and per notes and locations indicated on Finish Floor Plan.
- B. Contractor shall provide all labor and materials to install continuous covered base system at 6" in height or at maximum height of permanent cabinetry toe-kicks.
- C. Contractor to confirm finish flooring color with district prior to installation.
- D. Contractor is responsible for following product Manufacturer's guidelines for existing surface preparation, transitions to adjacent flooring materials, and transitions to existing plumbing or penetrations.
- E. Contractor shall remove and stockpile all doors, hardware and/or cabinetry as necessary to accommodate new finish flooring material and covered base. Reinstallation to be performed by others.
- F. Contractor is responsible for providing temporary power and lighting due to concurrent non-related electrical infrastructure projects taking place at the site.

- G. Obtain required DOJ and District clearances per badging requirements prior to commencement of work.
- H. Temporary construction keys will be provided by district for site access. Contractors must comply with General Requirements Section 01 14 16.02 – Keys.

1.04 DISTRICT RESPONSIBILITIES:

- A. Reinstallation of stockpiled doors, hardware and/or cabinetry performed by others.
- B. At building areas to receive new flooring materials, all existing floor material and adhesives are to be removed by others prior to Notice to Proceed.

END OF SECTION

SECTION 096723
RESINOUS FLOORING

PART 1- GENERAL

1.01 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY:

- A. This Section includes the following:
 - 1. Epoxy flooring system
 - 2. Epoxy cove base system

1.03 RELATED DOCUMENTS:

- A. Exhibit A - Scope of Work
- B. Finish Floor Plan

1.04 SUBMITTALS:

- A. Manufacturer's Data: Submit Manufacturer's specifications and installation instructions.
- B. Samples: Submit 12" x 12" samples of each color and texture of the material to be installed. Architect's review will be for color and texture only. Compliance with all other product requirements is the exclusive responsibility of the Contractor.
- C. Certificates: Submit Certificates of Compliance attesting that the materials to be installed are in compliance with all requirements of the USDA and the Contract Documents. In addition, provide a letter signed by the Manufacturer of the materials to be installed certifying that the installer of the materials is known to, and approved by, the Manufacturer as a qualified and competent installer of their product.
- D. Submit Manufacturer's specifications on cured systems and individual components of the Epoxy Topping, including physical and performance properties, independent test lab report verifying proactive antimicrobial activity demonstrating broad spectrum system efficacy when tested according to the standard IRC Swab Template Method. Provide Manufacturer's complete safety evaluation for the antimicrobial agent, including EPA registration number of antimicrobial agent and EPA registration number of the cured epoxy system. In addition, extraction data for antimicrobial agent from cured epoxy system shall be provided. The agent from cured epoxy system shall be provided. The OralLD₅₀ value for raw, non-diluted antimicrobial agent shall exceed 2000 mg/kg. References shall be provided documenting use of the antimicrobial resinous systems.

1.05 QUALITY ASSURANCE:

- A. Installer Qualifications: Engage an experienced Installer who employs only persons trained and approved by the Manufacturer. Installer shall have at least three years' experience in the application of integrated systems and shall be able to show at least three successful similar installations within the last three years applied under his name and responsibility.
- B. Manufacturer's Standard Warranty: Two-year period from date of Substantial Completion.
- C. Fire Performance Characteristics: Provide epoxy floor and base system with the following fire performance characteristics as determined by testing products per ASTM test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. Smoke Density: Less than 450 per ASTM E 662.
 - 2. Flame spread less than 75 per ASTM E 84 tunnel test or UBC Standard 8-1.

1.06 DELIVERY, STORAGE, AND HANDLING:

- A. Comply with Manufacturer's recommendations for handling, storage, and protection during installation.
- B. Store materials in a temperature-controlled environment (50 ° F to 90° F) and out of direct sunlight.
- C. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Floor Coating Material: Material shall be General Polymer's FasTop 12S-U1 Urethane Slurry System with decorative quartz broadcast, as manufactured by General Polymers Corp., (818) 365-9261, or approved equal. Flooring system shall be comprised of:
 - 1. Primer: 3477A & B.
 - 2. First Coat: 4080A & B with 5080 aggregate, 5310 Dry Silica Sand broadcast
 - 3. Topcoat: 4090TCA resin with GP5095 Part C aggregate
 - 4. Seal Coat: 3462 Aquarmor Seal Coat
- B. Provide Repair and Leveling Mortar: General Polymers TPM 721 to create slopes to drains.
- C. Cove Base: Fastop Cove Base System, 6" high, with 1/8" zinc L-strip continuous edge termination, General Polymers, Corp.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Inspect all floor surfaces to receive the flooring material and notify the District, in writing, of all conditions detrimental to the timely completion of the work. Do not proceed with the work of this Section until all unsatisfactory conditions have been corrected in a manner acceptable to the manufacturer of the materials.
- B. All substrate surfaces shall bear no traces of oils, grease, dust, or foreign matter, which will be detrimental to the application or appearance of the installed material.
- C. Building shall have been fully enclosed, including doors hung and windows glazed, in place, and operable before the application of materials begins.
 - 1. Maintain the wall and floor temperature at a minimum of 70° F and maximum 90° F for a period of at least 48 hours prior to, during and after installation. Provide adequate electrical power, lighting, heating, ventil at ion, and working conditions to permit the proper application of the materials .
 - 2. Install materials before plumbing fixtures, painting and decorating, and installation of resilient or other flooring materials that abut the work of this Section.
 - 3. Applications on concrete substrate should occur while temperature is falling to lessen off-gassing.
- D. Preparation for Repair and Leveling Mortar: Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. Minimum surface profile of 40-60 grit sandpaper. Grind smooth protrusions and fill voids with system filler.

3.02 INSTALLATION

- A. Drying times for the various components of the flooring material, as recommended by the Manufacturer, shall be strictly observed. Coordinate the work of this Section with the other work of the Project, so as to not interfere with the progress of the completion of the Project.
- B. Abrade the surface to receive the floor coating as recommended by the Manufacturer, which includes use of a diamond grading wheel. Remove all broken or loose tiles. Remove all dust and debris by thoroughly vacuuming with power equipment.
- C. Apply floor sealer/membrane material in conformance with the Manufacturer's recommendations.
- D. Protrusions shall be ground smooth, while voids shall be filled with a system compatible filler.
- E. Apply the flooring material and finish coating in a seamless fashion, in accordance with the recommendations and instructions of the materials manufacturer. Material shall be applied to a thickness of 3/16" thickness and broadcast to yield a

1/4" - 3/8" finished system.

1. Provide 6" high integral cove base at flooring system with a seamless joint at interface of cove and wall system.

F. Applied materials shall cure for the period of time recommended by the Manufacturer, and maintained at a temperature of approximately 60° F.

G. Provide termination angle at top of cove base on wall. Remove bottom course of existing wall tile. Drill pilot hole into existing concrete curb and install zinc termination angle with flat head countersunk.

3.03 PROTECTION

A. Installer shall provide District in writing the protective measures and other precautions required through the remainder of the construction period to ensure that the work of this Section will remain without damage or deterioration, other than normal wear.

END OF SECTION