

SECTION 09 67 26

EPOXY RESINOUS FLOORING

PART 1 GENERAL

1.1 QUALIFICATIONS

- A. Contractor shall be an established firm regularly engaged in manufacturing and installation of specified polymer floor systems for the past 10 years. Installer must be an approved epoxy floor finish installer of the companies specified. Contractor shall have completed at least five (5) projects of similar size and complexity.

1.2 RELATED SECTIONS

- A. Section 03 30 00 - Cast-In Place Concrete: Concrete slab moisture mitigation

1.3 SUBMITTALS

- A. Comply with Section 01 33 00.

1.4 MOCKUP

- A. Provide a 4' x 4' mockup showing texture, color and trim edges finishes for Architect's approval. This may be displayed on min. 3/4" plywood panel or small room as designated by Architect. Adjustment of the degree of slip resistance may be required to satisfy owner's requirements. Architect to also be notified when first installation begins.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Material shall be delivered to job site and checked by flooring contractor for completeness and shipping damage prior to job start.
- B. Material shall be stored in a dry, enclosed area protected from exposure to moisture. Temperature of storage area shall be maintained to meet manufacturer's recommendations.

1.6 JOB CONDITIONS

- A. Concrete substrate shall have cured 30 days utilizing a curing membrane. Concrete subfloor on or below grade shall have a minimum 10 mil vapor barrier installed beneath and at the perimeter of the slab. Concrete shall have a light steel trowel finish.
- B. Applicator will test and approve substrate for acceptable moisture content prior to applying epoxy system.

- C. Job area to be free of other trades during and for a period of 24 hours after floor installation.
- D. Protection of finished floor from damage by subsequent trades shall be the responsibility of the General (each) Contractor.

1.7 APPROVED INSTALLERS

- A. Desco, (installer & manufacturer) Cole Isbell, 501-786-5446
- B. Pro Inco (installer), Tnemec Epoxy Flooring (manufacturer) Dave Patterson, 913-422-8001
- C. Epoxy Coating Specialists (installer), Tennant Epoxy Flooring (manufacturer) Luke McNeil, 816-642-1892
- D. Substitutions must be approved prior to bid. Installed work in local area must be viewed by the Architect as part of substitution review.

PART 2 MATERIALS

2.1 MATERIAL DESCRIPTION

- A. Epoxy Floor Type EF-1 & EF-3: A nominal 3/16" thick epoxy flooring with an "orange peel" SR Copolymer Top Coat surface finish, semi-gloss, Quartz 'Cremona' Series, Trowelled on application by Desco.
- B. Epoxy Floor Type EF-2: A nominal 1/8" thick epoxy flooring with an "orange peel" SR Copolymer Top Coat surface finish, semi-gloss, 'Granite' Series', Broadcast application by Desco.
- C. Zinc termination strip: Continuous zinc strip installed at top of coved base and where epoxy flooring transitions to another flooring material, furnished and installed by specified companies. Provide continuous bead of polyurethane sealant along top of cove base termination strip. Where installed in kitchens and other clean areas, termination strip must comply with local and state health department regulations.
- D. All resins and sealers are to be **non-yellowing**.

2.2 COLORS

- A. EF-1: TG414 (locker room building)
- B. EF-2: G5208 (locker room building)
- C. EF-3: TG408 (DEN remodel)

PART 3 EXECUTION

3.1 INSPECTION

- A. Calcium Chloride Moisture and ph Testing is required to be performed to the floor prior to epoxy installation. Perform test following industry standards. Do not proceed until satisfactory conditions have been achieved.

3.2 SURFACE PRIMING

- A. All properly prepared substrates shall be primed using appropriate manufacturer's penetrating primers with strict adherence to application instructions.

3.3 MATERIAL INSTALLATION

- A. Floor installation shall strictly adhere to manufacturer's written instructions and directions.
- B. Provide integral 4" or 6" high (as scheduled on drawings) 1 inch cove base with epoxy material as indicated on drawings. Terminate at zinc strip, installed prior to installation of epoxy base. (*Zinc Strip not required for granite series*)
- C. Provide slip resistant "orange peel" with SR Copolymer top coat finish on epoxy floors. Provide smooth finish for coved base, extending out from wall 6". No silica is to be used on epoxy floors unless approved by Architect. Terminate with Schluter aluminum termination strip where epoxy meets with different flooring materials or concrete slab. A ¼" vertical maximum transition is allowed.
- D. Immediately following completion of epoxy flooring system, floor shall be covered with adequate material to protect from damage. Remove prior to final inspection.
- E. All trash and debris shall be properly disposed of and arrangement shall be made to remove all unused material from the job site.

END OF SECTION

09 67 26-3