

SECTION 033543 - CONCRETE REFINISHING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Liquid floor treatments.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Samples for Initial Selection: Manufacturer's standard color sheets, showing full range of available colors for each type of product requiring color selection.

C. Samples for Verification: Actual sample of finished products for each type of exposed color.

1.3 MOCKUPS

A. Build mockups 3' by 2' ft (an area under base cabinets) to verify selections made under Sample submittals and to demonstrate typical joints, surface finish, tolerances, and standard of workmanship. Build mockups to comply with the following requirements, using materials indicated for the completed Work:

1. Build mockups in the location of the Work and of the size indicated or, if not indicated, as directed by Architect for existing concrete.
2. Demonstrate surface preparation, removing existing paint.
3. Apply concrete sealer per manufacturer's instructions for review.
4. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Owner specifically approves such deviations by Change Order.
5. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PART 2 - PRODUCTS

2.1 LIQUID FLOOR TREATMENTS

A. Penetrating Liquid Floor Treatments for Polished Concrete Finish: Clear liquid materials for the applications of cleaning solutions, densifiers, and sealers that strengthen or protect polished concrete surfaces.

1. BOD: EUCO DIAMOND HARD, by Euclid Chemical.

2.2 ACCESSORIES

- A. Repair Materials: As recommended in writing by manufacturer to repair and fill cracks, and repair surfaces compatible with polishing materials.
- B. Water: Potable.
- C. Paint Remover: As recommended by manufacturer.
 - 1. BOD: EUCO INCRETE UNI-STRIPP
- D. Cleaning Agents: As recommended by manufacturer.
 - 1. BOD: EUCO Clean & Strip

2.3 POLISHING EQUIPMENT

- A. Equipment and Supplies: Provide equipment and supplies, not limited to, the concrete grinding and concrete polisher equipment, tooling and polishing diamonds for the polished concrete finishing Work.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that concrete substrates are acceptable for grinding, polishing and product installation as recommended by manufacturer.
- B. Do not begin Work until unsatisfactory conditions have been addressed and corrected.

3.2 PREPARATION

- A. Verify that concrete substrate preparation is in accordance with manufacturer's written instructions.
- B. Clean surfaces free of dust, dirt and other contaminants incompatible with liquids applied products and polishing.
- C. Clean and seal cracks as recommended by manufacturer.
- D. Prepare, clean and fill joints with joint filler as recommended by manufacturer.
- E. Clean surface completely of any dust with cleaning solution as recommended by manufacturer.

3.3 APPLICATION

- A. Refer to manufacturer instructions.

3.4 CLEANING AND PROTECTION

- A. Control and dispose of waste products produced by grinding and polishing operations.
- B. Protect installed polished concrete surfaces from damage during construction in accordance with manufacturer's written instructions.

END OF SECTION 033543