

SECTION 07100

CEMENTITIOUS WATERPROOFING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. This Section includes cementitious waterproofing for elevator pits.
- B. Related Sections include the following:
 - 1. Division 3 Section "Cast-in-Place Concrete."
 - 2. Division 7 Section "Self-Adhering Sheet Waterproofing" for below grade waterproofing.

1.03 SUBMITTALS

- A. General: Submit in accordance with Section 01300.
- B. Product Data: For each type of product indicated, including installation instructions.
- C. Qualification Data: For Installer.

1.04 QUALITY ASSURANCE

- A. Applicator Qualifications: Engage an experienced waterproofing Applicator.
- B. Source Limitations: Obtain cementitious waterproofing materials through one source from a single manufacturer.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store materials and equipment in a single area of project site. Provide adequate means to protect floors and adjacent surfaces of this area from damage.

1.06 PROJECT CONDITIONS

- A. Weather Limitations: Do not apply waterproofing when effects of freezing or moisture will adversely affect the waterproofing application.
- B. Maintain adequate ventilation during preparation and application of cementitious waterproofing materials.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Cementitious Waterproofing: "Five Star Waterproofing" trowel applied negative side cementitious membrane and mixing liquid system manufactured by WCM.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates, with Applicator present, for compliance with requirements for surface smoothness and other conditions affecting performance of work.
 - 1. Verify that concrete has cured and aged for minimum time period recommended by waterproofing manufacturer.
 - 2. If unacceptable conditions are encountered, prepare written report, endorsed by Installer, listing conditions detrimental to performance of work.
 - 3. Application of coating to surfaces shall constitute acceptance of surfaces and conditions.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Surfaces must be clean. Chip or grind off all defective materials and foreign matter. Remove form treatment residue, curing compound, scum and fungus.
- B. Repair cracks, breaks, honeycombing, or other surface imperfections with non-expansive patching mortar to attain a finish comparable to adjacent concrete surfaces.

3.03 INSTALLATION

- A. Cementitious Waterproofing:
 - 1. Apply cementitious waterproofing treatment to the floor and walls of elevator pit to a minimum thickness of **1/8-inch (3 mm)** after elevator jack hole has been poured around with cast-in-place concrete.
 - 2. Trowel all surfaces to a smooth, hard finish, free from pits hollows and other defects.
 - 3. Provide **1-inch by 1-inch (25-mm by 25-mm)** cant at intersection of horizontal and vertical surfaces.
 - 4. Apply in strict accordance with manufacturer's instructions.

3.04 PROTECTION

- A. Protect waterproofing from damage by other trades after installation to maintain the integrity of the waterproofing.

END OF SECTION