

SECTION 07110

WATERPROOF COATINGS

PART 1: GENERAL

1.01 DESCRIPTION

The work of this Section consists of furnishing and installing waterproofing required for this work as indicated on the Drawings or specified herein and includes, but is not necessarily limited to, below grade waterproofing.

1.02 RELATED WORK DESCRIBED ELSEWHERE

- A. Section 01300: Submittals
- B. Section 02225: Structure Excavation and Backfill
- C. Section 09901: Finish Schedule

1.03 QUALITY ASSURANCE

- A. **Qualifications of Installers:** Provide at least one person who shall be present at all times during execution of this portion of the work and who shall be thoroughly experienced in the application of the specified products and shall direct all work performed under this Section.
- B. **Manufacturer's Certification:** Prior to start of installation of the work of this Section, secure a visit to the job site by a representative of the manufacturer of the waterproofing materials used, who shall inspect and shall certify that the surfaces to which waterproofing is to be applied are in a condition suitable for that application.

1.04 SUBMITTALS

Materials List: Before any waterproofing materials are delivered to the job site, submit a complete list of all materials proposed to be furnished and installed under this portion of the work, making the submittal in accordance with the provisions of Section 01300 of these Specifications.

1.05 PRODUCT HANDLING, STORAGE, AND DELIVERY

- A. Use all means necessary to protect waterproofing materials before, during, and after installation and to protect the installed work and materials of all other trades.
- B. In the event of damage, immediately make all repairs and replacements necessary at no additional cost to the Owner.

- C. Deliver materials in manufacturer's original, unopened containers and rolls with labels intact and legible.
- D. Deliver materials in sufficient quantity to allow continuity of work.
- E. Handle rolled goods so as to prevent damage to edge of ends.
- F. Select and operate material handling equipment so as not to damage existing construction.
- G. Store materials on clean raised platforms with weather protective covering when stored outdoors.
- H. Provide continuous protection of materials against wetting and moisture absorption.
- I. Protect materials against damage by construction traffic.
- J. Remove wet materials for project site.
- K. Comply with fire and safety regulations.
- L. Store emulsions in temperature above 45°F.

PART 2: PRODUCTS

2.01 WATERPROOFING

- A. General: All waterproofing shall be the specified products of the W. R. Meadows Co., Futura Coatings, Inc., or equal.
- B. Below Grade Waterproofing: All below grade waterproofing shall be Meadows Seal Tight Seal Mastic, Solvent type dampproofing, or equal, applied to at least 60-mil thickness (2 coats of 30 mils each, DFT).
- C. Primer: Per manufacturer's requirements.

2.02 PROTECTION

Protect all waterproofing, horizontal and vertical, with protection board as recommended by the manufacturer of the waterproofing.

2.03 OTHER MATERIALS

All other materials, not specifically described but required for a complete and proper installation of waterproofing, shall be as recommended by the material supplier.

PART 3: EXECUTION

3.01 SURFACE CONDITIONS

A. Inspection

1. Prior to all work of this section, carefully inspect the installed work of all other trades and verify that all such work is complete to the point where this installation may properly commence.
2. Verify that waterproofing may be installed in strict accordance with the original design and the manufacturer's recommendations.

B. Discrepancies

1. In the event of discrepancy, immediately notify the Engineer.
2. Do not proceed with installation in areas of discrepancy until all such discrepancies have been fully resolved.

3.02 INSTALLATION

A. Waterproof coating shall be applied below grade on outside of concrete structures listed in Section 09900 Finish Schedule, System "N".

B. Waterproof coating shall also be applied to the following:

1. Below grade unit masonry surfaces.
2. Backfilled side of retaining walls and planters, which occur above adjacent grade.
3. Backside of metal flashings.

C. Surface Preparation: Examine surfaces for foreign material, moisture, and unevenness, which would prevent the execution and quality of application of system as specified. Remove any paraffin or wax base non-bonding compounds. Fill all cracks, voids, joints, depressions and places around projections with cement grout to provide smooth and flush surface. Proceed with dampproofing application only after surface defects are corrected. Application of material will be considered as evidence of installer's acceptance of substrate as a proper base for dampproofing.

D. Application: Install materials in accordance with requirements of dampproofing system manufacturer. Maintain neat line at upper edge. Mask as required to prevent overrun of materials onto surfaces. Install the required protective covering over the waterproofing to prevent damage during backfill operation.

3.03 COORDINATION WITH SEALANTS

- A. Where feasible, delay application of waterproof coatings until installation of sealants has been completed in joints adjoining surfaces to be coated.
- B. Protect adjoining work, including sealant bond surfaces, from spillage or blow-over of waterproof coatings. Cover adjoining and nearby surfaces of aluminum and glass where there is possibility of waterproof coatings being deposited on surfaces. Cover live plant materials with drop cloths. Clean waterproof coatings from adjoining surfaces immediately after spillage. Comply with manufacturer's recommendations for cleaning.

3.04 CODES, ORDINANCES AND LAWS COMPLIANCE

In addition to the specific requirements described herein, the total scope of work required by this section includes all means, methods, labor and material required to conform to all applicable Federal, State and local codes, ordinances, laws and any other requirements applicable to the construction process, materials and the finished, completed work.

END OF SECTION