

**SECTION 07160**  
**BITUMINOUS DAMPPROOFING**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS**

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

**1.2 SUMMARY**

- A. This Section includes the following:
  - 1. Cold-applied, asphalt emulsion dampproofing where indicated.
- B. Related Sections:
  - 1. Division 7 Section "Self-Adhering Sheet Waterproofing".

**1.3 SUBMITTALS**

- A. Product data for type of product specified, including data substantiating that materials comply with requirements for dampproofing material specified. Include recommended method of application, recommended primer, number of coats, coverage or thickness, and recommended protection.

**1.4 PROJECT CONDITIONS**

- A. Substrate: Proceed with dampproofing only after substrate construction and penetrating work have been completed.
- B. Weather Limitations: Proceed with dampproofing only when existing and forecasted weather conditions will permit work to be performed according to manufacturer's recommendations and warranty requirements.

**PART 2 - PRODUCTS**

**2.1 MANUFACTURERS**

- A. Manufacturers: Subject to compliance with requirements, provide cold-applied, asphalt emulsion dampproofing products by one of the following:
  - 1. ChemRex, Inc.; Sonneborn Building Products Div.
  - 2. Euclid Chemical Co.
  - 3. Meadows: W.R. Meadows, Inc.

**2.2 BITUMINOUS DAMPPROOFING**

- A. General: Provide products recommended by manufacturer for designated application.
- B. Cold-Applied, Asphalt Emulsion Dampproofing: Asphalt-based emulsions recommended by the manufacturer for dampproofing use when applied according to the manufacturer's instructions.
  - 1. Trowel Grade: Emulsified asphalt mastic, prepared with mineral- colloid emulsifying agents suitable for application in a relatively thick film, complying with ASTM D 1187, Type I.
  - 2. Semimastic Grade: Emulsified asphalt semimastic, prepared with mineral-colloid emulsifying agents and containing fibers other than asbestos, complying with ASTM D 1227, Type III or IV.
- C. Primer: Asphalt primer complying with ASTM D 41, for asphalt-based dampproofing.

### PART 3 - EXECUTION

#### 3.1 PREPARATION

- A. Clean substrate of projections and substances detrimental to work; comply with recommendations of prime materials manufacturer.
- B. Install cant strips and similar accessories as recommended by materials manufacturer.
- C. Fill voids, seal joints, and apply bond breakers, if any, as recommended by prime materials manufacturer, with particular attention at construction joints.
- D. Prime substrate as recommended by prime materials manufacturer.
- E. Protection of Other Work: Do not allow liquid and mastic compounds to enter and clog drains and conductors. Prevent spillage and migration onto other surfaces of work by masking or otherwise protecting adjoining work.

#### 3.2 INSTALLATION, GENERAL

- A. Comply with manufacturer's recommendations except where more stringent requirements are indicated and where Project conditions require extra precautions to ensure satisfactory performance of work.
- B. Application: Apply dampproofing to the surfaces indicated on Drawings.
- C. Bituminous Cant Strips: Install 2-by-2-inch cant strip of bituminous grout at base of vertical dampproofing where it meets horizontal surface.
- D. Trowel Grade: Trowel apply a coat of mastic asphalt emulsion dampproofing onto substrate at a minimum rate of 7 gal./100 sq. ft., to produce an average, dry-film thickness of 60 mils but not less than 30 mils at any point.
- E. Apply semi-mastic grade dampproofing down walls from finished-grade line to a minimum of 6 inches below lowest level of occupied space. Extend 12 inches onto intersecting walls, but do not extend onto surfaces exposed to view when the Project is completed. Brush or spray apply a coat of dampproofing at a rate of 5 gal./100 sq. ft., to produce a uniform, dry-film thickness of not less than 30 mils.

#### 3.3 PROTECTION AND CLEANING

- A. Protect exterior, below-grade dampproofing membrane from damage until backfill is completed. Remove overspray and spilled materials from surfaces not intended to receive dampproofing.

**END OF SECTION 07160**