# SECTION 07 11 13 BITUMINOUS DAMPPROOFING

#### PART 1 GENERAL

### 1.1 RELATED DOCUMENTS

A. The provisions of the General Conditions, Supplementary Conditions, and the Sections included under Division 1, General Requirements, are included as a part of this Section.

### 1.2 SUMMARY

- A. The Work required under this Section consists of bituminous dampproofing and related items necessary to complete the Work, including:
  - 1. Cold applied asphalt bitumen dampproofing
  - 2. Protective covering
- B. Provide labor, materials, and equipment necessary for providing necessary coatings to stop moisture penetration through surfaces of walls below grade.
- C. Apply to interior masonry or concrete walls below grade, which have additional layers of metal framing and gypsum board.
- D. Apply to concrete faces of inclined ramp that are below grade.

### 1.3 REFERENCES

- A. ASTM D41/D41M Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing
- B. ASTM D43/D43M Standard Specification for Coal Tar Primer used in Roofing, Dampproofing, and Waterproofing
- C. ASTM D449 Standard Specification for Asphalt Used in Dampproofing and Waterproofing
- D. ASTM D450/D450M Standard Specification for Coal Tar Pitch Used in Roofing, Dampproofing and Waterproofing
- E. ASTM D1187/D1187M Standard Specification for Asphalt Base Emulsions for Use as Protective Coatings for Metal
- F. ASTM D2822/D2822M Standard Specification for Asphalt Roof Cement, Asbestos Containing
- G. ASTM D3747 Standard Specification for Emulsified Asphalt Adhesive for Adhering Roof Insulation
- H. NRCA (National Roofing Contractors Association) Waterproofing Manual
- I. FBC Florida Building Code

## 1.4 SUBMITTALS

- A. Section 01 33 00 Submittal Procedures
- B. Product Data: Provide properties of primer, bitumen, and mastics.
- C. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

## 1.5 QUALITY ASSURANCE

- A. Perform work in accordance with NRCA Waterproofing Manual.
- B. Applicator: Company specializing in performing the work of this section with minimum 5-years of documented experience.

# 1.6 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 60 00 Material Equipment and approved equals
- B. Maintain ambient temperatures above 40°F for 24 hours before and during application and until membrane has cured.

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## PART 2 PRODUCTS

### 2.1 COLD ASPHALTIC MATERIALS

- A. Asphalt Emulsion: Conforming to ASTM D3747.
- B. Asphalt Primer: ASTM D41/D41M, compatible with substrate.
- C. Asphalt Cement: ASTM D2822/D2822M, Type I.

### 2.2 ACCESSORIES

- A. Protection Board: 1/8" thick biodegradable hardboard
- B. Flexible Flashings: Butyl

### PART 3 EXECUTION

## 3.1 EXAMINATION

- A. Section 01 31 00 Project Management and Coordination: Verify of existing conditions before starting work.
- B. Verify substrate surfaces are durable, free of matter detrimental to adhesion or application of dampproofing system.
- C. Verify the secure installation of items penetrating surfaces receiving dampproofing.

## 3.2 PREPARATION

- A. Protect adjacent surfaces not designated receiving dampproofing.
- B. Clean and prepare surfaces receiving dampproofing in accordance with manufacturer's instructions.
- C. Do not apply dampproofing to surfaces unacceptable to manufacturer or applicator.
- D. Apply mastic to seal penetrations, small cracks or honeycomb in substrate.

## 3.3 APPLICATION

A. Prime surfaces in accordance with manufacturer's instructions

## 3.4 INSTALLATION - PROTECTION BOARD

- A. Place protection board directly against membrane; butt joints.
- B. Install the protection board to substrate onto tacky dampproofing surface.
  - 1. Scribe and cut boards around projections, penetrations and interruptions.

**END OF SECTION**