

DIVISION 7 - THERMAL & MOISTURE PROTECTION

SECTION 07160 - BITUMINOUS DAMPPROOFING

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Cold applied asphalt bitumen damp/water proofing on all exterior face of foundation walls, as well as all exterior face of CMU prior to installation of cavity insulation and masonry veneer.

1.02 RELATED WORK

- A. Section 04200 Masonry

1.03 REFERENCES

- A. ANSI/ASTM D41 - Asphalt Primer Used in Roofing, Damp proofing and Waterproofing.
- B. ANSI/ASTM D449 - Asphalt Used in Damp proofing and Waterproofing.
- C. ANSI/ASTM D450 - Coal-tar Bitumen Used in Roofing, Damp proofing and Waterproofing.
- D. ANSI/ASTM D491 - Asphalt Mastic Used in Waterproofing.
- E. ASTM D43 - Creosote Primer Used in Roofing, Damp proofing and Waterproofing.

1.04 QUALITY ASSURANCE

- A. Applicator: Company specializing in bituminous waterproofing systems with 5 years minimum experience.

1.05 SUBMITTALS

- A. Submit product data under provisions of Section 01300.
- B. Indicate properties of primer, bitumen and mastic.
- C. Submit manufacturer's installation instructions under provisions of Section 01300.

1.06 ENVIRONMENTAL REQUIREMENTS

- A. Maintain ambient and surface temperatures above 40 degrees F for 24 hours before application, and continuously until damp proofing has cured.

PART 2 - PRODUCTS

2.01 BITUMEN MATERIALS

- A. Asphalt: ANSI/ASTM D449, Type I.
- B. Asphalt Primer: ANSI/ASTM D41, compatible with substrate.
- C. Asphaltic Sealing Mastic: ANSI/ASTM D491.
- D. Coal-tar: ANSI/ASTM D450, Type I.
- E. Coal-tar: ASTM D43, creosote type.
- F. Coal-tar Sealing Mastic: Coal-tar bitumen filled with mineral dust and mineral fibers, to mastic consistency.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Verify surfaces are solid, free of frozen matter, loose particles, cracks, pits, rough projections, and foreign matter detrimental to adhesion and application of damp proofing.
- B. Do not apply damp proofing to damp, frozen, dirty, dusty or deck surfaces.
- C. Verify items which penetrate surfaces to receive dampproofing are securely installed.
- D. Beginning of installation means acceptance of substrate.

3.02 PREPARATION

- A. Clean and prepare surfaces to receive damp proofing in accordance with manufacturer's instructions.
- B. Apply mastic to seal penetrations, small cracks, and honeycomb in

substrate.

3.03 APPLICATION

- A. Prime surfaces in accordance with manufacturer's instructions.
- B. Apply cold bitumen with mop.
- C. Apply one coat, continuous and uniform at a rate.
- D. Seal watertight items projecting through damp proofing surface with mastic.

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