

## **SECTION 920 -- DAMPPROOFING**

### **920.01 -- Description**

The Contractor shall furnish materials and dampproof surfaces as shown in the plans.

### **920.02 -- Material Requirements**

1. Priming coat:
  - a. When coal-tar pitch is used in dampproofing, the creosote primer shall conform to the requirements of ASTM D 43.
  - b. When asphalt is used in dampproofing, the asphaltic primer shall conform to the requirements of ASTM D 41.
2. Mopping coat:
  - a. Coal-tar pitch, when used as a mopping coat in dampproofing, shall conform to the requirements of ASTM D 450.
  - b. Asphalt, when used as a mopping coat in dampproofing, shall conform to the requirements of ASTM D 449, Type II.
3. Materials for dampproofing shall be approved based on a certificate of compliance from the supplier stating that they conform to the above requirements.

### **920.03 -- Construction Methods**

1. All surfaces to be dampproofed shall be free from dust, sand, mud, mortar, and other loose particles. All grease spots or marks of oil shall be removed by washing with a rag dipped in solvent. All surfaces shall be allowed to dry thoroughly before applying dampproofing. Work may be started as soon as the forms are removed.
2. After the surfaces have been thoroughly cleaned and dried, they shall be uniformly coated with 1 coat of primer and 2 coats of hot asphalt or coal-tar pitch. The primer may be applied cold, but the asphalt or coal-tar pitch shall be applied with a mop at a temperature of at least 120°C. Dampproofing shall be performed only in dry weather and when the temperature is above 5°C. Each coating shall be allowed to dry before the next coating is applied.
3. The primer shall be applied in quantities sufficient to thoroughly cover the surfaces to be treated. The total dampproofing application shall be not less than 2.5 L/m<sup>2</sup> of horizontal surface and 2.25 L/m<sup>2</sup> on vertical surfaces.
4. Care shall be exercised to confine all dampproofing materials to the areas being treated and to prevent disfigurement of any part of the structure by dripping or spreading of asphalt.

**920.04 -- Method of Measurement**

The dampproofing will be measured in square meters.

**920.05 -- Basis of Payment**

- | 1. | <u>Pay Item</u> | <u>Pay Unit</u>                |
|----|-----------------|--------------------------------|
|    | Dampproofing    | Square Meter (m <sup>2</sup> ) |
2. Payment is full compensation for all work prescribed in this Section.