

## **ITEM 11560.2005 M - FROST PROOF EXTERIOR WALL TILE AND SETTING BED**

### **DESCRIPTION**

This work includes furnishing all labor, materials and equipment to install exterior wall tile and setting bed on wall surfaces as shown on the drawings and as specified herein.

### **MATERIALS**

Tile shall be 6 mm thick conforming to the following performance criteria:

- Length, Width and Thickness: ASTM C499 ANSI A 137.1 - 1988
- Color Measurement Test (ASTM C 609): .73 judds
- Weathering Test (Law Engineering, Inc.): Pass
- Thermal Shock (Law Engineering, Inc.): Pass
- Craze Resistance (ASTM C424): pass
- Facial Dimension (DIN 18166): .0175%
- Acid & Alkali Resistance (EN 106): Pass
- UV Resistance (DIN 51094): Pass
- Stain Resistance CTI Stain Test – Unstainable
- Frost Resistance (En 202) Pass

#### Setting and Grouting Materials

Tile Council of America  
Method W201-99

- Membrane: 4 mil polyethylene film
- Galvanized diamond wire metal lath – Mechanically Fastened
- Latex Thin Set Mortar Additive with Filler Powder
- Mortar and Grout Admixture Leveling Coat
- Liquid Applied Waterproof Membrane
- Sanded Grout with Mortar and Grout Admixture
- Mortar Bed, Lath and Membrane ANSI A108.1A

### **CONSTRUCTION DETAILS**

Examination: Examine substrates and areas where tile will be installed and conditions under which tile will be installed for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.

Substrate Condition: Verify that substrates for setting tile are firm, dry, clean, and free from oil or waxy films and curing compounds.

Commencement of work: Do not proceed with installation until unsatisfactory conditions have been corrected. Commencement of work signifies acceptance of substrate and installation conditions.

Substrate Preparation: Repair and clean substrate in accordance with installation standards and manufacturer's instructions, and as follows:

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- Leveling: Remove protrusions, bumps and ridges
- Repair: Fill and level cracks, holes, depressions and rough or chipped areas in substrate, using patching material recommended by setting materials manufacturer.
- Cleaning: Clear away debris and clean substrate immediately before installation.

Jobsite Blending: Blend tiles before installing, in accordance with reference standards, to produce an even range and distribution of color and finish.

**METHOD OF MEASUREMENT**

The unit measurement for this work is the square meter. The total payment quantity will be the number of square meters of tile and setting materials furnished and installed.

**BASIS OF PAYMENT**

The unit price bid shall include the cost of furnishing all labor, materials and equipment necessary to perform and install frost proof exterior wall tile and setting material work as indicated on the contract plans and as specified herein. Payment will be made under:

| <u>ITEM NO.</u> | <u>ITEM</u>                                       | <u>PAY UNIT</u> |
|-----------------|---|-----------------|
| 11560.2005 M    | Frost Proof Exterior<br>Wall Tile and Setting Bed | Square Meter    |