

**SECTION 04 05 13  
MASONRY MORTARING**

**PART 1 - GENERAL**

**1.1 DESCRIPTION:**

Section specifies mortar materials and mixes.

**1.2 RELATED WORK:**

A. Mortar used in Section:

1. Section 04 05 16, MASONRY GROUTING.
2. Section 04 20 00, UNIT MASONRY.

B. Mortar Color: Match existing mortar color at Exterior thru-wall vent for Laundry Vent

**1.3 SUBMITTALS**

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Certificates:

1. Indicating that following items meet specifications:
  - a. Portland cement.
  - b. Hydrated lime.
  - c. Fine aggregate (sand).

C. Manufacturer's Literature and Data:

1. Cement, each kind.
2. Hydrated lime.

**1.4 PRODUCT DELIVERY, STORAGE AND HANDLING**

- A. Deliver masonry materials in original sealed containers marked with name of manufacturer and identification of contents.
- B. Store masonry materials under waterproof covers on planking clear of ground, and protect damage from handling, dirt, stain, water and wind.

**1.5 APPLICABLE PUBLICATIONS**

A. Publications listed below form a part of specification to extent referenced. Publications are referenced in text by basic designation only.

B. American Society for Testing and Materials (ASTM):

- C40-04.....Organic Impurities in Fine Aggregates for  
Concrete
- C150-05.....Portland Cement
- C207-06.....Hydrated Lime for Masonry Purposes

**PART 2 - PRODUCTS****2.1 HYDRATED LIME**

ASTM C207, Type S.

**2.2 AGGREGATE FOR MASONRY MORTAR**

A. ASTM C144 and as follows:

1. Light colored sand for mortar for masonry repairs, etc.
2. Mortar color to match existing mortar color. Add coloring agent as required to produce samples for comparison. Do not proceed with the masonry repair until the mortar color has been accepted and approved by

**2.3 PORTLAND CEMENT**

A. ASTM C150, Type I.

**2.4 WATER**

A. Potable, free of substances that are detrimental to grout, masonry, and metal.

**2.12 COLOR ADMIXTURE**

- A. Pigments: ASTM C979.
- B. Use mineral pigments only. Organic pigments are not acceptable.
- C. Pigments inert, stable to atmospheric conditions, nonfading, alkali resistant and water insoluble.

**PART 3 - EXECUTION****3.1 MIXING**

- A. Mix in a mechanically operated mortar mixer, or by hand for small quantities.
  1. Mix mortar for at least three minutes but not more than five minutes.
- B. Measure ingredients by volume. Measure by the use of a container of known capacity.
- C. Mix water with dry ingredients in sufficient amount to provide a workable mixture which will adhere to vertical surfaces of masonry units.

**3.2 MORTAR USE**

- A. Use Type M mortar for brick veneer over existing masonry back up walls for tuck pointing work.

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