

## SECTION 04100 - MORTAR

### PART 1 - GENERAL

#### 1.1 DESCRIPTION OF WORK

- A. Provide mortar for repointing unit masonry.

#### 1.2 RELATED WORK SPECIFIED IN OTHER SECTIONS

*Note: If unit masonry and reinforcement are in separate sections, revise paragraph below to read. "Refer to Section \_\_\_\_\_ for unit masonry and Section \_\_\_\_\_ for reinforcement. Insert actual section numbers.*

- A. Refer to Section 04200 for unit masonry and reinforcement.

#### 1.3 DELIVERY AND STORAGE OF MATERIALS

- A. Delivery materials in their original unopened packages, containers or bundles, and store in a place providing protection from damage, freezing and contamination.
- B. Remove damaged, deteriorated or contaminated materials from the premises.

#### 1.4 SUBMITTALS

- A. Submit material certificates signed by manufacturer certifying that each product required for mortar complies with requirements. Include name of manufacturer, brand and type.

#### 1.5 ENVIRONMENTAL CONDITIONS

- A. Temperature of masonry materials shall be above freezing when placed.
- B. Protect masonry from freezing for 48 hours after placing.
- C. Unless precautions are taken against freezing, do not erect masonry when temperature is below 32° F (0° C) on a rising temperature, or below 40° F (4° C) on a falling temperature.
- D. Do not lay masonry on walls or footings that are frozen or contain frost.

### PART 2 - PRODUCT

#### 2.1 MORTAR

- A. Mature Lime Putty: NIAGARA® Mature Lime Putty slaked, aged and screened at factory by GRAYMONT DOLIME (OH) INC. consisting of water and dolomitic slaked lime conforming to ASTM C207 and Canadian CSA A179.



**GRAYMONT**

**Guide specifications for NIAGARA® Mature Lime Putty, a product of  
GRAYMONT DOLIME (OH) INC., Genoa, Ohio  
Phone: 800-537-4489 Fax: 419-855-4602**

*TYPE O: Referred to as 1-2-9, Type O mortar is normally specified for moderately exposed masonry, and sheltered walls above grade.  
TYPE K: Often referred to as 1-3-12, Type K is the mortar type used for repointing purposes where low compressive strengths are required.*

*EDIT/SELECT TYPE APPROPRIATE FOR PROJECT.*

1. Type O
  2. Type K
- B. White Portland Cement conforming to ASTM C150
- C. Aggregate: Sand conforming to ASTM C144.

*If mortar color is to be achieved by using mortar pigments, include Paragraph D below. IF NOT, DELETE.*

- D. Colored Mortar Pigments: Natural and synthetic iron oxides and chromium oxides, compounded for use in mortar mixes.
- E. Water: Potable and clean.

## 2.2 MIXES

*Note: GRAYMONT DOLIME (OH) INC. provides detailed instruction for contractors. Reference to manufacturers instructions and recommendations is sufficient. EDIT/SELECT TYPE APPROPRIATE FOR PROJECT.*

- A. Type O: Mix NIAGARA® Mature Lime Putty with sand, white Portland Cement and water in specified proportions.
- B. Type K: Mix NIAGARA® Mature Lime Putty with sand, white Portland Cement and water in specified proportions.

## PART 3 - EXECUTION

### 3.1 MIXING

- A. Mix mortar in strict accordance with manufacturer's instructions and recommendations to achieve workability and meet performance requirements for mortar type specified.

END OF SECTION



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