

**Part 1 General**

**1.1 RELATED SECTIONS**

- .1 Section 01 74 19 - Construction/Demolition Waste Management And Disposal
- .2 Section 04 05 10 - Common Work Results for Masonry
- .3 Section 04 05 19 - Masonry Anchorage and Reinforcing
- .4 Section 04 05 23 - Masonry Accessories
- .5 Section 04 22 00 - Concrete Unit Masonry

**1.2 REFERENCE**

- .1 Canadian Standards Association (CSA International):
  - .1 CSA A179-04(R2009) – Mortar and Grout for Unit Masonry.

**1.3 SUBMITTALS**

- .1 Product Data and Manufacturer's Instructions: Refer to Section 04 05 10.

**1.4 WASTE MANAGEMENT AND DISPOSAL**

- .1 Refer to Section 04 05 10.

**Part 2 Products**

**2.1 MATERIALS**

- .1 Use same brands of materials and source of aggregate for entire project.
- .2 Mortar and grout: to CSA A179; grout to Table 3
- .3 Aggregate: passing 1.18 mm sieve where 6 mm thick joints are indicated.
- .4 Mortar color agent: mineral oxide type purposely made for mortar color; non-leaching, non-fading and containing not less than 70% mineral oxide and inert fillers; in color to match exterior split face veneer, with final color subject to Departmental Representative's acceptance.

**2.2 MIXING AND PREPARATION**

- .1 Mortar type for masonry:
  - .1 For standard concrete block (exterior) walls: Load-bearing, type S based on Proportion specifications.

- .2 For split face exterior veneer: Non-Load-bearing: type N based on Proportion specifications.
- .2 Incorporate color and admixtures into mixes in accordance with manufacturer's instructions.
  - .1 Add color agent in mortar for exterior split face veneer.
  - .2 Use clean mixer for colored mortar.
  - .3 Mix to semi-fluid consistency.
- .3 Pre-hydrate pointing mortar by mixing ingredients dry, then mix again adding just enough water to produce damp unworkable mix that will retain its form when pressed into ball. Allow to stand for not less than 1 hour nor more than 2 hours then remix with sufficient water to produce mortar of proper consistency for pointing.
- .4 Control mix proportions of ingredients to be free of error in excess of 2%.
- .5 Proportion sand on a dry basis.
- .6 Use one brand and source of manufacture of materials for mortar and grout purposes for entire project in order to ensure uniformity of mix and color.
- .7 Thoroughly mix mortar ingredients in quantities needed for immediate use.
- .8 Add waterproofing plasticizer admixture in mortar for exterior masonry veneer.
- .9 Other than waterproofing plasticizer admixture in mortar for exterior masonry veneer, do not use anti-freeze components, moisture sealers, water reducing agents, or any other additive in mortar, without written acceptance by Departmental Representative.

### **Part 3 Execution**

#### **3.1 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

#### **3.2 CONSTRUCTION**

- .1 Do masonry mortar and grout work in accordance with CSA A179.

#### **3.3 CLEANING**

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

**END OF SECTION**