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**MORTAR AND MASONRY GROUT**

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**PART 1 GENERAL****1.1 Related Sections**

- .1 Section [04051](#) - Masonry Procedures.

**1.2 References**

- .1 Canadian Standards Association (CSA)
  - .1 CSA A179-[94], Mortar and Grout for Unit Masonry.

**1.3 Samples**

- .1 Submit samples in accordance with Section [01330](#) - **Submittals**.
- .2 Submit two (2) 100mm size samples of mortar.

**1.4 Waste Management and Disposal**

- .1 Separate and recycle waste materials in accordance with Section [01740](#) - **Cleaning**.

**PART 2 PRODUCTS****2.1 Materials**

- .1 Use same brands of materials and source of aggregate for entire project.
- .2 Mortar and grout: CSA A179.
- .3 Use aggregate passing 1.18 mm sieve where 6 mm thick joints are indicated.
- .4 Colour: ground coloured natural aggregates or metallic oxide pigments. Colour to be confirmed by Consultant prior to mock-up and installation.
- .5 Mortar for exterior masonry above grade:
  - .1 Loadbearing: Type M based on Property specifications.
  - .2 Non-loadbearing: Type M based on Property specifications.
- .6 Mortar for foundation walls, manholes, sewers, pavements, walks, patios and other exterior masonry at or below grade: Type M based on Property specifications.
- .7 Following applies regardless of mortar types and uses specified above:
  - .1 Mortar for calcium silicate brick and concrete brick: Type O based on Proportion specifications.
  - .2 Mortar for stonework: Type N based on Property specifications.
  - .3 Mortar for grouted reinforced masonry: Type M based on Property specifications.
- .8 White mortar: use white masonry cement to produce mortar type specified.

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- .9 Coloured mortar: use colouring admixture not exceeding 10% of cement content by mass, or integrally coloured masonry cement, to produce coloured mortar to match approved sample.
- .10 Non-staining mortar: use non-staining masonry cement for cementitious portion of specified mortar type.
- .11 Grout: to CSA A179, Table 3.

**2.2 Mixes**

- .1 Colour and admixtures: Mix grout to semi-fluid consistency.
- .2 Coloured mortars: Incorporate colour and admixtures into mixes in accordance with manufacturer's instructions.
  - .1 Use clean mixer for coloured mortar.
- .3 Pointing mortar: Prehydrate 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.

**PART 3 EXECUTION****3.1 Construction**

- .1 Do masonry mortar and grout work in accordance with CSA A179 except where specified otherwise.
- .2 Installation as per Section [04051](#) – **Masonry Procedures**.
- .3 Grout masonry components as noted in drawings.

**END OF SECTION - 04060**