

PART 1 – GENERAL

1.1 REFERENCES

- .1 CSA A179-94, Mortar and Grout for Unit Masonry.

1.2 SAMPLES

- .1 Submit samples in accordance with Section CW 1110-R1 / NMS 01330 – Submittal Procedures, see Division 1 – General Requirements in Bid Documents.
- .2 Submit two samples of mortar.

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 1.18mm sieve where 6mm thick joints are indicated.
- .4 Colour: ground coloured natural aggregates.
- .5 Mortar for exterior masonry above grade:
 - .1 Loadbearing: Type S based on Proportion specifications.
 - .2 Non-loadbearing: Type N based on Proportion specifications.
 - .3 Parapet walls, chimneys, unprotected walls: Type based on Proportion Specifications.
- .6 Mortar for foundation walls, manholes, sewers, pavements, walks, patios and other exterior masonry at or below grade: Type M based on Proportion 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 Proportion Property Specifications.
 - .3 Mortar for grouted reinforced masonry: Type S based on Property Proportion Specifications.
 - .4 Mortar for pointing: Type N based on Proportion Specifications.
 - .5 Mortar for glass block: 1 part Portland cement, 1 part hydrated lime, 4 parts aggregate by volume.

MATERIALS (Cont.)

- .8 White mortar: use white masonry cement to produce mortar type specified.
- .9 Non-staining mortar: use non-staining masonry cement for cementitious portion of specified mortar type.
- .10 Grout: to CSA A179, Table 3.

2.2 MIXES

- .1 Colour and admixtures: mix grout to semi-fluid consistency.
- .2 Coloured mortars: incorporated colour and admixtures into mixtures in accordance with manufacturer's instructions.
 - .1 Use clean mixer for coloured mortar.
- .3 Pointing mortar: Pre-hydrate pointing mortar by mixing ingredients dry, then mix again adding just enough water to produce damp workable 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 re-mix 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.