

- F Plasticizer: ASTM C 207, Type S.
- G Water: Clean and potable, clear and free of deleterious materials salts, etc. which would impair the work.
- H Bonding Agent: Where approved by the Engineer Epoxy based type.

1.2.2 Mortar Color

- A. Mortar Colour: as selected by the Division.

1.2.3 Admixtures

- A. Water Retaining/Reducing Admixtures: BS 5075 Part I or ASTM C 499 Type B, free from chlorides and compatible with cement. Do not use without prior approval of Engineer.
- B. Plasticizers: BS EN 934-3, free from Chlorides and compatible with cement. Do not use without prior approval of Engineer.

1.2.4 Mortar Mixes

- A. Unit Masonry Mortar: ASTM C 270, except limited to the mix materials specified herein-before in article 2.01 and the following cement/lime ratios by volume; wherein sand (in damp condition) equals 2.1/4 to 3 times the sum of the volumes of cement and lime:
 - 1. Type M: Not more than 1/4 part lime per part Portland cement.
 - 2. Type S: Not more than 1/2 part lime per part Portland cement.
 - 3. Type N: Not more than 1 part lime per part Portland cement.
- B. Pointing Mortar: ASTM C270, Type N using the material property specification with maximum 2 percent ammonium stearate or calcium stearate per cement weight.
- C. Stain Resistant Pointing Mortar: One part Portland cement, 1/8 part hydrated lime, and two parts graded (80 mesh) aggregate, proportioned by volume. Add aluminium tri-stearate, calcium stearate, or ammonium stearate equal to 2 percent of Portland cement by weight.
- D. Mortar for Glass Unit Masonry: ASTM C270, Type O using the material property specification.
- E. Pointing Mortar for Glass Unit Masonry: ASTM C270, Type O, using the material property specification with maximum 2 percent ammonium stearate or calcium stearate per cement weight, with silica sand aggregate.

1.2.5 Mortar Mixing

- A. Thoroughly mix mortar ingredients in accordance with ASTM C270 in quantities needed for immediate use.