

Section 4102. Water for Concrete and Mortar

4102.01 GENERAL REQUIREMENTS.

- A.** Use water for concrete or mortar that is free from detrimental amounts of oil, salts, acids, alkali, organic matter, or other objectionable substances. Do not use recycled wash water in concrete.
- B.** Where the source of water is relatively shallow, maintain it at a suitable depth and screen the intake to exclude objectionable amounts of silt, mud, grass, or other foreign material. Filter, or otherwise clarify, water containing suspended matter in excess of 2000 ppm.
- C.** Use water meeting the following quality requirements:
 - 1.** Hardness, determined as calcium carbonate, not more than 750 ppm.
 - 2.** Methyl Orange, Alkalinity, determined as calcium carbonate, not more than 1000 ppm.
 - 3.** Phenolphthalein Alkalinity, determined as calcium carbonate, not more than one-half the methyl orange alkalinity.
 - 4.** Total Acidity, determined as calcium carbonate, no more than 100 ppm.
- D.** Potable water obtained from a municipal supply, suitable for drinking, may be accepted without testing.