

The nominal size of the coarse aggregate except where otherwise ordered by Company Representative shall be as described in the concrete classification.

5.3.9 Sand for Rendering Screeds and Mortars

The sand for gypsum plasters shall comply with BS 1199. The sand for external rendering, internal cement plastering, internal lime undercoats and roof screeds shall comply with BS 1199. The sand for finishing coats to internal lime plaster shall comply with BS 1199. Sand for floor screeds shall comply with BS 882.

Samples shall be submitted to, and be approved by the Company Representative before plastering is commenced. The sand shall be kept clean and re-washed if necessary.

For general purpose mortars the sand shall comply with BS 1200.

5.3.10 Water for the Purpose of Concreting

Water for use in mixing concrete and mortars, curing and other similar purposes shall be clean, fresh, free from sand, grit and deleterious matter and shall be obtained from a source approved by the Company Representative.

Water shall comply with the requirements of BS 3148. As and when directed by the Company Representative the Contractor shall arrange for chemical analysis of water to be carried out by an independent laboratory approved by the Company Representative.

Notwithstanding the limitations on chlorides detailed in the Clause herein entitled "Aggregates", the maximum total content of acid soluble chlorides (as NaCl) in concrete mix shall not exceed 0.50% by weight of cement. The Contractor shall be advised that in order to satisfy this latter restriction on chlorides content he shall have to provide demineralized water.

At sites where in the opinion of the Company Representative the continuity of availability of water is desirable, the Contractor shall erect such water storage tanks as may be required. The Contractor shall arrange for the conveyance of supplies of water to such sites and he shall ensure that sufficient supplies of water are at all times available to ensure continuity of concrete production or other operations.

5.3.11 Reinforcement for Concrete

All reinforcement for use in the works shall be to the written approval of the Company Representative.

Mild steel and high yield steel reinforcement shall comply with the requirements of BS 4449.

Steel fabric reinforcement shall comply with the requirements of BS 4483.

All reinforcement shall be of the sizes, lengths and forms shown on the Contract Drawings. Bending shall be in accordance with BS 8666.

All reinforcement bars submitted to the Company Representative for approval must be representative specimens of the steel actually being used in the Contract or of the proposed new stockpiles on site.

The minimum specimen length requirements are: -

Tensile Test 500 mm