

Table 3-5: Set of Samples Values

| Type of Concrete | Score to be less than or equal to |
|------------------|-----------------------------------|
| OPC | 20 |
| SF | 10 |
| GGBS | 12 |
| PFA | 12 |
| WPC | 4 |

3. For blended mixes, such as OPC/SF/GGBS or OPC/SF/PFA, the most onerous test conditions shall apply.
4. The chloride and sulphate levels in the concrete mix to BS 1881 Part 124 shall be in accordance with the table below:

Table 3-6: Chloride & Sulphate levels

| Type of Concrete | Chlorides as Cl ^(a) | Sulphates as SO ₃ ^(a) |
|--|--------------------------------|---|
| For reinforced concrete | | |
| - made with OPC/MSRPC | 0.10 | 3.70 |
| - made with SRPC | 0.06 | 3.70 |
| Prestressed concrete & heat-cured reinforced concrete. | 0.06 | 3.70 |
| For mass concrete ^(b) | 0.10 | 3.70 |

5. When silica fume is used it shall not be included as cement binder for the purpose of chloride and sulphate limitations.
6. The OPC and MSRPC cements can also contain chlorides, the relevant standard BS 12 allows up to 0.1% Cl. Therefore, any chloride content present in the cement has to be taken into account while computing total Cl in the mix.

G. Other Tests

1. The Contractor shall submit to the Engineer for approval his proposed methods for complying with the creep strain criteria of the performance requirements of the Specification. These shall include, but are not limited to:
 - a. Tests to establish the strength of the concrete and the static modulus of elasticity of the concrete to BS 1881: Part 121 at 7 days, 28 days, 3 months and 6 months.
 - b. Sufficient tests shall be undertaken to allow an accurate assessment of the creep strain to be made prior to, and during, the concreting operations. These tests shall only cease when directed by the Engineer.