

THIS METHOD STATEMENT COVERS THE MIXING OF **MasterFlow 1205**.

#### **METHOD STATEMENT: MasterFlow 1205**

##### **1. MIXING:**

- 1.1. Mixing must only be carried out using a suitable high speed / high shear mechanical mixer or pump rig designed specifically for Tendon Grouting.
- 1.2. Introduce 6.8 L of clean potable water for each 25 kg bag of **MasterFlow 1205** into a suitable high shear mixer. Typical minimum mix would be 6 bags for a large grout rig.
- 1.3. Start the mixer with the pump set on recycle. Mix for 2-3 minutes and then draw off some of the grout and check the flow characteristics using a flow cone as per BS EN 445: 2007 as required.
- 1.4. Adjust water content accordingly by the addition of up to 1.1 L of water per 25 kg bag to achieve the required flow rate. Mix for a further 3 minutes once the required water content has been determined. Water content to be determined based upon flow rate required but must not exceed 7.9 L per 25 kg bag.
- 1.5. Total mixing time should not be less than 5 minutes.
- 1.6. Once fluidity is confirmed as acceptable pump the **MasterFlow 1205** into the tendons in a continuous operation.
- 1.7. Mixed grout should be placed within approximately 30 minutes of mixing and should be continuously agitated when not being pumped.
- 1.8. Upon completion of grouting flush out the pump and mixer with clean water.

**NOTE:** When grouting in conditions of high ambient temperatures it is imperative that the **MasterFlow 1205** be stored in air-conditioned storage and that chilled water is utilized for all mixing. Mixed grout temperature should not exceed 35°C during the mixing and pumping procedures.

Cubes / prisms taken for compressive strength testing must be either 50 mm cube moulds or 40 x 40 x 160 mm prisms. Grout to be fully restrained once cast to prevent un-restrained expansion.

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