Conbextra HES

**High early strength, rapid setting, flowable, cementitious, precision grout – gaps 15mm to 150mm**

**1.0 Grouting Requirements**

* 1. To the nominated area(s) (specify details and areas of application), grouting must be carried out using a pre-packaged, non-metallic and chloride free, dry powder blend of cements, graded fillers and chemical additives.
	2. The grout is to be non-hazardous in accordance with Australian Inventory of Industrial Chemicals containing <0.1% RCS (Respirable Crystalline Silica).
	3. It is to be mixed with clean water to the required consistency. The plastic grout must not bleed or aggregate. The storage, handling and placement of the grout must be in strict accordance with the manufacturer’s instructions. The grout is to be formulated to compensate for shrinkage in the hardened state.
	4. It shall exhibit Flow Characteristics when tested to AS 1478.2.2005 of 350mm using the flow channel procedure.
	5. It shall be formulated to exhibit the following characteristics when mixed with 2.3 litres of water to one 20kg bag of the specified grout, at flowable consistency, when tested @ 23oC:

 **Compressive Strength** 2 hours 25 MPa

 (AS 1478.2.2005) 4 hours 30 MPa

 8 hours 35 MPa

 1 day 37 MPa

 28 days 50 MPa

 **Indirect Tensile Strength** 1 day 1.5 MPa

 (AS 1010.10 – 2000) 7 days 2.5 MPa

 28 days 3.0 MPa

 **Modulus of Rupture** 1 day 3.0 MPa

 (Flexural Strength) 7 days 4.5 MPa

 (AS 1012.11 – 2000) 28 days 6.5 MPa

1.6 **Fosroc Conbextra HES** meets the performance criteria and is approved for this application.