Conbextra HS

**High flow, high ultimate strength, dual shrinkage compensated precision cementitious grout - gaps 10mm to 125mm**

* 1. **Grouting Requirements**
	2. 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.
	3. The grout material is to be non-hazardous in accordance with Australian Inventory of Industrial Chemicals containing <0.1% RCS (Respirable Crystalline Silica).
	4. It is to be mixed with clean water to the required consistency. The plastic grout must not bleed or segregate. The storage, handling and placement of the grout must be in strict accordance with the manufacturer’s instructions.
	5. A positive volumetric expansion of 1-2% shall occur while the grout is plastic state by means of a gaseous, hydrogen free expansion. Additionally, the grout is to be formulated to compensate for long term shrinkage in the hardened state.
	6. The mixed grout shall exhibit Flow Characteristics when tested to AS 1478.2.2005 of 600mm using the flow trough procedure.
	7. The grout shall be formulated to exhibit the following characteristics when mixed with 2.7 litres of water to one 20kg bag of the specified grout, at flowable consistency, when tested @ 23oC:

 **Compressive Strength** 12 hours 20 MPa

 (AS 1478.2.2005) 1 day 55 MPa

 7 days 80 MPa

 28 days 100 MPa

 56 days 105 MPa

 **Indirect Tensile Strength** 1 day 3.6 MPa

 (AS 1010.10 – 2000) 7 days 5.1 MPa

 28 days 7.0 MPa

 **Modulus of Rupture** 1 day 5.8 MPa

 (Flexural Strength) 7 days 11.4 MPa

 (AS 1012.11 – 2000) 28 days 13.7 MPa

* 1. **Fosroc Conbextra HS** meets the performance criteria and is approved for this application.