Conbextra UW

**Formulated anti-wash out, specialist grout for underwater grouting applications**

* 1. **Grouting Requirements**
  2. To the nominated area(s) (specify details and areas of application), grouting must be carried out using a pre-packaged grout specifically formulated for application in submerged situations.
  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 up to 1% shall occur while the grout is plastic state by means of a gaseous system.
  6. The grout shall contain admixtures to minimise wash-out in underwater applications.
  7. The grout shall be formulated to exhibit the following characteristics when mixed with 4.4 litres of water to one 20kg bag of the specified grout, at flowable consistency, when tested with a water / powder ratio 0.22:1

**Compressive Strength** 1 day 25 MPa

(AS 1478.2.2005) 7 days 44 MPa

28 days 53 MPa

**Indirect Tensile Strength** 1 day 1.7 MPa

(AS 1010.10 – 2000) 7 days 3.5 MPa

28 days 4.1 MPa

**Modulus of Rupture** 1 day 3.3 MPa

(Flexural Strength) 7 days 7.4 MPa

(AS 1012.11 – 2000) 28 days 8.8 MPa

**Tensile Bond Strength to** 2.1 N/mm²

**submerged concrete**

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