

TECHNICAL DATA SHEET

SUPERFLOW GROUT

High Strength Extremely Fluid Cementitious Grout

DESCRIPTION

Rockbond Super Flow Grout (RB 1.08) is a specially designed Portland cementitious grout used for applications where a very flowable high strength grout is required. Ideal for the filling and sealing of cracks and fine voids. The grout powder is a blend of fine and ultra-fine cements, stabilisers, and admixtures, and very fine silica sand. When Rockbond Super Flow Grout powder is mixed with water, a particularly fluid grout which is produced which will not segregate or bleed and is easily pumped and placed. The grout powder is packaged in 25 kg moisture proof, durable bags and has a shelf life of 2 years.





SPECIAL PROPERTIES

- Marine-Grade Concrete - Class C
- Quickly and easily mixed, pumped and placed.
- Portland cement based, polymer modified and microsilica enhanced.
- Versatile material: can be mixed with water to a stiff, flowing or fluid grout depending on the application.
- Excellent penetration through cracks, interconnected voids and fine fissures.
- Highly stable under pressure without segregation or bleeding.
- Formulated with an expansive agent to ensure the grout will expand in cracks, voids or ducts.
- High compressive strength and high bond strength to concrete and steel.
- Very low permeability, resistant to chemical attack and durable.
- Contains no chloride, ferrous metal or other deleterious substrates.
- High yielding, economical, non-flammable, non-toxic, odour free, user friendly and safe to use.

USES

- Ideal for narrow grouting applications and long Drossbach ducts.
- Crack injection applications.
- Between construction joints, precast concrete panels, beams and closely spaced steel reinforcing.
- Post-tensioned, prestressed concrete cables and ducts.
- Crack repair on bridge structures.
- Holding down bolts, bars and rods.
- Under base plates with clearances of 10mm or less.
- To penetrate and seal fissures in rock, masonry, brick and concrete.
- Underpinning and stabilizing foundations, loose floor and road slabs

MIXING INSTRUCTIONS

Rockbond Super Flow Grout (RB 1.08) powder is mixed with water using a suitable container, a pneumatic or electrical power tool, and a ribbon mixer. Larger amounts of material may be mixed using a high speed, high shear grout mixer.

Alternatively, small amounts of the material can be prepared by slowly adding the powder to a quantity of water and mixing to required consistency.

APPLICATION PROCEDURE

Before the application of grout, it may be necessary to pre-wet the concrete substrate and remove any standing water. Place the grout immediately after mixing.

When grouting into vertical faces, grout injection points should be located at the base of the structure where possible, and outlet points situated at the very top. Vent pipes should be sited at appropriate points. Where grout leaks out of the concrete or brickwork during the application of the grout, use Rockbond Fastrock Super Accelerated Mortar (RB 3.09) to immediately plug, stop and seal the flow.

For application that require a build-up of more than 10mm – 25mm use Rockbond GP Grout Plus (RB1.04) and for sections of 25mm and up to 75mm, use Rockbond Repair Concrete (RB 1.06)

HEALTH AND SAFETY

Rockbond Special Concrete Products are non toxic and safe to use. However, use the same precautions as with any cementitious product, wear goggles, protective clothing and a dust mask while mixing and applying the material.

TECHNICAL DATA

Water/ Powder Ratio	14%	16%	
Consistency	Fluid Grout	Very Fluid Grout	
Consistency Life	1 hour	1 hour	
	Days	MPa	MPa
Minimum Compressive Strength	1	25	20
	7	70	60
	28	90	80
Yield per 25kg	12.5 Litres	13.0 Litres	
Amount of powder required to produce 1m ³	2 tonnes (80 x 25kg)	1.85 tonnes (74 x 25kg)	

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales Team: +64 4 568 5401