

ROCKBOND GP GROUT-PLUS

High strength cementitious expanding grout

DESCRIPTION

ROCKBOND GP GROUT-PLUS (1.04) is a premixed powder, ready to use containing a unique blend of cement powder, admixtures and materials that provide plastic expansion between placement and initial set. The grout powder when mixed with water produce a fluid grout. Where a high grade, high strength General Purpose Grout is required use ROCKBOND GP GROUT – PLUS (RB 1.04) which is manufactured with microsilica and silica sand content. It is available in 25kg bags and has a shelf life of 2 years.

SPECIAL PROPERTIES

- Quickly and easily mixed and applied.
- Versatile material: can be mixed with water to a stiff, flowing or fluid grout, depending on application and mixed very dry and used in dry-pack applications
- Highly stable, low bleeding.
- Contains no chlorides, ferrous metals or other deleterious substances.
- Economical, user friendly, non-toxic and safe to use.
- Produces a positive expansion of the grout in its plastic state reducing plastic settlement and cracking.

USES

- Ideal for restricted grouting applications and Drossbach ducts
- Holding down bolts, bars and rods
- Between construction joints, precast concrete panels, beams and closely space steel reinforcing.
- Grouting up retaining walls, and behind shafts and tunnel linings
- Under base plates with clearances above 5mm.

MIXING INSTRUCTIONS

ROCKBOND GP GROUT–PLUS (RB 1.04) is mixed with water using a suitable container, and electrical power tool (1kW) and a ribbon mixer.

Pour the contents of the entire or part of the bag (whatever is required) into the container.

Add between 3.75 - 4.5 Litres of water to the container depending on the consistency required whilst mixing and mix until you have a smooth even consistency.

Mix for about 30 seconds and the grout is now ready for use.

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. Injection tubes should be installed and fixed fast into the concrete or brick using ROCKBOND FASTROCK ACCELERATED MORTAR (RB 3.04).

Where grout leaks out of the concrete or brickwork during the application of the grout, use ROCKBOND FASTROCK ACCELERATED MORTAR (RB 3.04) to immediately plug, stop and seal the flow.

During the filling of large structures, or when ground grouting, a large grout demand will suggest the grout is running away and escaping. Should this be the case, stop injecting and re-apply the material when the grout has set sufficiently hard.

For applications where clearances are less than 5mm or for very long narrow pours use ROCKBOND SUPER FLOW GROUT (RB 1.08)

For applications that require a build-up that is in excess of 75mm, use ROCKBOND REPAIR CONCRETE (RB 1.06). In situations where a fluid, quick strength grout is required or when the ambient temperatures are low, use ROCKBOND FASTROCK ACCELERATED GROUT (RB 3.07).

HEALTH AND SAFETY

ROCKBOND SPEICAL CONCRETE PRODUCTS are non-toxic and safe to use. However, use the same precaution as with any cementitious products, wear protective clothing, goggles and a dust mask while mixing an applying the material.

TECHNICAL DATA

TYPICAL DATA for GP GROUT PLUS (RB 1.04) at 20°C.

WATER/POWDER RATIO:		15%	18%
CONSISTENCY:		Pourable Grout	Fluid Grout
CONSISTENCY LIFE:		30 Minutes	30 Minutes
MINIMUM COMPRESIVE STRENGTH	Days	MPa	MPa
	1	20	17.5
	7	65	50
	28	85	70
Yield per 25kg		12.75 Litres	13.5 Litres
Amount of powder required to produce 1m ³		2 tonnes (80 x 25kg)	1.875 tonnes (75 x 25kg)

CONTACT DETAILS

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