

ROCKBOND GP GROUT-PLUS

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 manufacture 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

- 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 4-4.5 Litres of water to the container 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 application that require a build-up in excess of 20mm and up to 75mm, use ROCKBOND REPAIR GROUT (RB 1.05) but applications that require a non fluid, thixotropic grout, use ROCKBOND PUMPING GROUT (RB 5.03). In situations where a fluid, quick strength grout is required or when the ambient temperatures are low, use ROCKBOND ULTRA FLOW ACCELERATED GROUT (RB 5.02).

HEALTH AND SAFETY

ROCKBOND SPECIAL 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 and applying the material.

TECHNICAL DATA

ROCKBOND GP GROUT – PLUS (RB 1.04)

CONSISTENCY :	Fluid grout
CONSISTENCY LIFE :	30 minutes
DENSITY :	2150 kg/m ³

MINIMUM COMPRESSIVE STRENGTH (18% water to powder ratio at 20°C)

1	7	28	Days
17.5	50	70	MPa

YIELDS: 25 kg powder yields 13.5 litres of fluid grout.
1 m³ of good fluid grout requires 2.0 tonnes of powder.

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our Technical Sales:
FREEPHONE: 0800 76 25 26 **EMAIL: sales@rockbond.co.nz**

ROCKBOND

Special concrete products

P.O. Box 38-526, Wellington Mail Centre 5045, New Zealand

Telephone +64 4 568 5401

Fax +64 4 568 4580

Rockbond SCP Ltd provides the above information in good faith and without warranty. The data represents typical values which can be updated at any time, and this information supersedes previous issues. No liabilities can be accepted for any damage or loss arising from the use of Rockbond SCP Ltd literature or its products, because Rockbond SCP Ltd has no continuous control on how the materials are mixed, placed or cured.

Revised January 2018