

# ROCKBOND SCP LTD

## FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

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### ROCKBOND CRACK INJECTION T GROUT

#### DESCRIPTION:

ROCKBOND CRACK INJECTION T GROUT (RB CITG) is an unique two part, solvent free, epoxy resin system which consists of a hardener and a base resin. When the hardener is mixed with the base component, a thixotropic gel is produced which gradually hardens to produce a white, strong bonding, low modulus, flexible adhesive used for the filling and sealing of cracks, gaps and voids. The material is also used to bond concrete to steel, and many other construction materials, including stone, brick, plastic, glass and wood. The resin is supplied in 480g/400ml and 3.6kg/3 litre packs and has a shelf life of 2 years.

#### SPECIAL PROPERTIES:

- \* Pre batched, pre packed and ready to use.
- \* Supplied in 480g/400ml packs with cartridge sleeves, nozzles and back plates: use a ROCKBOND RESIN INJECTION GUN 400ml (RB RIG400) to inject the grout.
- \* Quickly and easily mixed and applied.
- \* Thixotropic, low pressure paste: flows, but will stay in place when the pressure is released.
- \* Alternative low viscosity, free flow form available: ROCKBOND CRACK INJECTION FF GROUT
- \* Can be accelerated for quick injection work, or for use at low ambient temperatures.
- \* Forms a strong permanent bond to concrete, brick, steel, wood and most construction materials.
- \* Resistant to aqueous solutions, corrosive chemicals, acids, diesel, oils and organic solvents.

#### USES:

- + To penetrate, fill and seal cracks in concrete, rocks, blocks, bricks, stone, and masonry.
- + As a flexible adhesive to fill and seal gaps, joints and spaces between precast concrete.
- + To bond construction materials to concrete, steel, stone, brick, plastic, glass and wood.
- + To produce a high strength, permanent, impermeable, weatherproof and waterproof bond.
- + For use as a general purpose flexible adhesive during building and construction.
- + To fill, seal and protect cracked concrete and porous cementitious surfaces.
- + To install wearing surfaces to weak and friable concrete floors, paths and roadways.
- + To protect concrete against chemical attack.

#### MIXING INSTRUCTIONS:

The Hardener and Base components of the ROCKBOND CRACK INJECTION T GROUT are mixed together using a mixing knife or spatula.

Add all the contents of the hardener to the base component.

(Mix 2.3 parts base to 1 part of hardener by weight).

Thoroughly mix until homogeneous.

The Crack Injection T Grout is now ready for use.

#### APPLICATION PROCEDURE:

Use ROCKBOND WATERSTOP MORTAR (RB WSM) mortar to seal the outside face of the crack or gap to be filled. Drill a series of 5mm diameter holes into the waterstop at strategic points along the crack where the cracks and voids look to be interconnected.

## ROCKBOND CRACK INJECTION T GROUT, APPLICATION PROCEDURE CONTINUED...

For application using the ROCKBOND RESIN INJECTION GUN 400ml (RB RIG400): in the base container, mix the two components of the ROCKBOND CRACK INJECTION T GROUT; place the plastic follower plate on the surface of the mixed material; cut the seal on the nozzle end of the cartridge just above the first thread; place the back end of the cartridge vertically and centrally over the hole in the follower plate; push the cartridge down on the plate until the end plate rests on the base of the container; carefully invert and remove the full cartridge; cut the nozzle to give an outlet diameter of 5mm; screw the nozzle onto the cartridge; insert the plunger at the back of the cartridge; position the cartridge in the gun, and inject.

To fill and seal the crack: insert the nozzle into the first 5mm diameter hole; inject the material until grout appears at the second hole; plug the first hole with the waterstop; inject grout into the second hole, and so on until the crack is filled. (With vertical cracks, inject the grout at the lowest point).

To fill wide cracks, joints and gaps: mix the two components of the ROCKBOND CRACK INJECTION T GROUT, and use a palette knife, scraper or spatula to work and compact the resin into the gap. Bridge the gap with a thin layer of resin, smooth and finish.

For a rapid cure, use the ROCKBOND CRACK INJECTION T GROUT ACCELERATED (RB CITGA). If a low viscosity, free flow, crack injection grout is required, use the ROCKBOND CRACK INJECTION FF GROUT (RB CIFFG).

### HEALTH: SAFETY AND STORAGE:

Wear goggles, gloves and protective clothing while mixing, handling and applying the material. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

### TECHNICAL DATA:

TYPICAL DATA at FULL CURE at 7 DAYS at 20°C

CONSISTENCY:	Thixotropic paste	COMPRESSIVE STRENGTH:	60MPa
CONSISTENCY LIFE:	6 hours	DIRECT TENSILE STRENGTH:	20MPa
DENSITY:	1200kg/m <sup>3</sup>	FLEXURAL STRENGTH:	60MPa
TENSILE MODULAS	2.4GPa		

### FURTHER INFORMATION:

Should you require further information on this product, or details of other ROCKBOND SPECIAL CONCRETE PRODUCTS, then please do contact our Technical Department:

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<https://rockbond.co.uk/products/rockbond-crack-injection-t-grout-rb-citg/>

### IMPORTANT NOTE:

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 liability can be accepted for any damage or loss arising from the use of ROCKBOND SCP LTD literature or its products, because the company has no continuous control on how the products are mixed, placed or cured.

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