

# ROCKBOND SCP LTD

## FORMULATORS, MANUFACTURERS AND CONSULTANTS OF SPECIAL CONCRETE PRODUCTS

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### ROCKBOND HERITAGE T GROUT

#### DESCRIPTION:

ROCKBOND HERITAGE T GROUT (RB HTG) powder is a specially formulated, premixed, ready to use, hydraulic lime grout powder. The compound contains a fine grade of natural hydraulic lime, quality graded sands and a union of compatible admixtures. The powder, when mixed with water, produces a thixotropic, white, microporous, low strength, pumping mortar which is specially designed for the low pressure pointing of masonry, bricks and stone, and for the filling and sealing of gaps, joints and voids. Rockbond Heritage T Grout is Portland cement free, is designed for low strength applications, is compatible with lime based building materials, historic and heritage structures. The compound is packaged in 25kg moisture proof, durable sacks and has a shelf life of 5 years.

#### SPECIAL PROPERTIES:

- \* Does not contain Portland cement.
- \* Available in white, and also in a range of attractive colours.
- \* Quickly and easily mixed, worked, pumped, placed and finished.
- \* High build material: thixotropic, cohesive, non-slumping and anti shrink.
- \* Stable under pressure: can be injected or pumped into place.
- \* Microporous: reduces condensation, and allows brick and stone structures to breathe.
- \* Flexible: will move in sympathy with changes in temperature, humidity, stress and differential loading.
- \* Low strength and forgiving: compatible with lime based building materials and structures.
- \* Self healing: microcracks and voids are filled and repaired by continuous carbonation.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

#### USES:

- \* In conservation engineering whenever a natural hydraulic lime pumping grout is required.
- \* For use as a repair material compatible with existing lime based mortars, renders and concrete.
- + To fix and anchor steel bars, bolts and reinforcing mesh into heritage buildings and structures.
- + For the pressure and hand pointing of concrete, stone, masonry, bricks and blocks.
- + For the pumping, caulking, injecting and filling of cracks, cavities, voids, gaps and joints.
- + As a mortar to repair lime based materials, mortars, renders, stone and bricks.
- + To restore and make good historic buildings, listed buildings, castles, churches, bridges, arches, viaducts and stone structures.

#### MIXING INSTRUCTIONS:

ROCKBOND HERITAGE T GROUT powder is mixed with water using a ROCKBOND 25 LITRE MIXING CONTAINER (RB 25LMC), an electric power tool (1kW) and a ROCKBOND CONCRETE STIRRER (RB CS). Use a ROCKBOND FORCED ACTION PAN MIXER (RB FAPM) to mix larger amounts of material.

Add 6.25 litres of water to the container or mixer.  
Pour 25kg of powder onto the water while mixing.  
For batches of 2 or more bags, repeat the procedure.  
After all the powder has been added, mix for 30 seconds.  
The grout is now ready for use.

## ROCKBOND HERITAGE T GROUT (HTG).

### MIXING INSTRUCTIONS CONTINUED...

Alternatively, small amounts of the material can be prepared by slowly adding the powder to a quantity of water in a suitable container and mixing to give the appropriate consistency, not too stiff not too wet.

Use the minimum amount of mix water and mix to obtain the correct consistency/flow of the product for the job in hand. Do not over water the mix.

### APPLICATION PROCEDURE:

On weak, friable or porous substrates, use ROCKBOND PRIMER LATEX (RB PL) to penetrate, consolidate, strengthen and seal the surface. With a brush or a soft broom, brush the latex completely and evenly over the surface. Work the latex well into the substrate. Pay particular attention to the edges of the repair, and brush the liquid at least 25mm beyond the repair area. Brush out any puddles, and let the latex dry out, usually 15 to 30 minutes depending on conditions.

To prime the substrate and to enhance the bond, apply a second coat of the latex to the first coat. Normally, 1 litre of the ROCKBOND PRIMER LATEX will treat 5m<sup>2</sup> of concrete surface with a two coat application. Substrate surfaces without the use of the Primer Latex should be wet.

**For fixing and anchoring applications:** Use a suitable rotary drilling machine and bit to cut holes of the required diameter into the brick, masonry or mortar. Rough sided anchor holes that provide a good mechanical key are preferable to holes that are smooth. Cavities that taper outwards are also preferred.

Make sure the internal bonding surface of the hole is good and clean. The pull out shear stress of the anchor is only as good as the strength of the substrate. Deeper holes should be drilled into materials that are weak. Make sure the cavity is clean and free of dust. If possible, use water to wash away any debris, and to wet and lubricate the hole. Remove any standing water with oil free compressed air.

Use a ROCKBOND GROUT INJECTION GUN 1 litre (RB GIG1000) to inject the grout. Mix the powder with water, charge the gun, and inject the material at the back of the hole. Withdraw the nozzle while still injecting to minimise the formation of voids, and fill half the hole with the grout. Push or hammer the bar or bolt into the hole until it reaches the back of the cavity. Excess grout must be squeezed out at the front to ensure that the void is completely filled.

**For pressure pointing applications:** inject the material at the back of the joint or void. Bring the level of the mortar up to the profile of the surrounding brickwork and finish.

**To point bricks and blocks:** rake out all crumbly or weak mortar. Ensure that all surfaces which the mortar comes into contact with are clean and dust free. Use a water spray to washout any debris and to wet the bricks and existing mortar to minimise suction.

For winter work: protect the mortar from wet weather and frost by covering the material with wet hessian and polyethylene sheet.

### HEALTH, SAFETY AND STORAGE:

ROCKBOND HERITAGE T GROUT powder is 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 materials. Consult the relevant MSDS for further details. Store in a cool, dry, dark place.

## ROCKBOND HERITAGE T GROUT (HTG), CONTINUED...

### TECHNICAL DATA:

#### ROCKBOND HERITAGE T GROUT (HTG)

TYPICAL DATA at 25% water/powder ratio at 20°C

CONSISTENCY: Good mortar consistency  
CONSISTENCY LIFE: 30 minutes

DENSITY: 1920kg/m<sup>3</sup>

MINIMUM COMPRESSIVE STRENGTH:

1	7	28	Days
1	5	10	MPa

YIELD: 25kg of powder yields 16.00 litres of Heritage T Grout  
1m<sup>3</sup> of Heritage T Grout requires 1.575 tonnes of powder.

### 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-heritage-t-grout-rb-htg-2/>

### 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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