

**FORMULATORS, MANUFACTURERS AND CONSULTANTS OF  
SPECIAL CONCRETE PRODUCTS**

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**Email: [info@rockbond.co.uk](mailto:info@rockbond.co.uk) Website: [www.rockbond.co.uk](http://www.rockbond.co.uk)**ROCKBOND UNDERWATER PUTTY TGWDESCRIPTION:

ROCKBOND UNDERWATER PUTTY TILE GRADE WHITE (RB UWP TGW) powder is a blend of special cement powders, fillers, fibres, polymers and admixtures. The compound, when mixed with water, produces a white cementitious putty which is set accelerated and washout resistant. The putty is used to repair underwater concrete and masonry, and to bond and point tiles above and below the waterline. The hardened putty is adhesive, waterproof and resistant to chemical attack. The powder is ready to use, supplied in 1kg moisture proof durable packs and has a shelf life of 5 years.

SPECIAL PROPERTIES:

- \* Available in grey, and can be pigmented to give a range of attractive colours.
- \* Quickly and easily mixed with water.
- \* Develops an excellent putty consistency for ease of application.
- \* Will not washout, disperse or break up underwater. No need to drain the pool!
- \* Develops a quick, early strength to resist wave and splash action.
- \* Perfectly compatible with all types of tiles, concrete, masonry, brick and stone.
- \* Impermeable, weatherproof, waterproof and resistant to ozone, seawater, chlorine, chloride and chemical attack.
- \* High yielding, economical, non flammable, non toxic, odour free, user friendly and safe to use.

USES:

- + For repairs and the render of underwater tiles, concrete, masonry, brick and stone.
- + For use as an underwater tile adhesive to bond tiles to cement and concrete.
- + To point and fill joints and gaps above and below the waterline.
- + To fill and seal underwater voids, cracks and cavities in concrete, bricks and blocks.
- + To repair damaged and broken tiles, and to replace missing tiles underwater.
- + To produce smooth and aesthetically pleasing finishes.

MIXING INSTRUCTIONS:

ROCKBOND UNDERWATER PUTTY TGW powder is mixed with water using a suitable container and a spatula, palette knife or scraper. Only mix quantities of underwater putty that can be successfully applied in 15 minutes:

Pour a small quantity of water into the container or mixer.  
Slowly sprinkle the powder onto the water while mixing.  
Continue to add and mix the powder until the required consistency is obtained.  
After all the powder has been added, mix for 30 seconds.

APPLICATION PROCEDURE:

All necessary preparatory work must be completed before the putty is mixed and placed. Ensure that all bonding surfaces are clean and free of contamination.

Mix the putty powder with water and wait a few minutes for the material to gel, stiffen and develop a good putty consistency. Apply the material with a gloved hand and fingers, spatula or scraper.

## ROCKBOND UNDERWATER PUTTY TGW (RB UWP TGW), APPLICATION CONTINUED...

For the installation and adhesion of the tiles underwater: soak the tile; remove the tile from the water; remove surplus water, spread the back of the tile with the appropriate amount putty; transfer the tile through the water; position, press, and compact the tile into place. Use a ROCKBOND RESIN INJECTION GUN 400ml (RB RIG400) to place, fill gaps or inject larger quantities of the material.

For the ease of working and application of the putty above water, and to remove stickiness: keep gloves and implements wet. Use a hand held water spray to wet the putty surface, and produce a smooth and attractive finish.

In situations where microbial growth, algae, mould or "black spot" is of a particular nuisance, then use ROCKBOND UNDERWATER PUTTY TGWB which contains an algacide.

### TECHNICAL DATA:

TYPICAL DATA at 50% water/powder ratio at 20°C

|                               |                        |    |      |
|-------------------------------|------------------------|----|------|
| CONSISTENCY:                  | Good putty consistency |    |      |
| CONSISTENCY LIFE:             | 20 minutes             |    |      |
| DENSITY:                      | 1700kg/m <sup>3</sup>  |    |      |
| MINIMUM COMPRESSIVE STRENGTH: |                        |    |      |
| 1                             | 7                      | 28 | Days |
| 5                             | 12                     | 25 | MPa  |

YIELD: 1kg pack of powder yields 0.8 litres of mixed Underwater Putty.

### HEALTH, SAFETY AND STORAGE:

ROCKBOND UNDERWATER PUTTY TGW 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 material. Store in a cool, dry, dark place.

### 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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### 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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