

### DESCRIPTION

rbs Waterplug is a single component, polymer modified, fibre reinforced, Portland cement-based plugging and sealing compound. When mixed with water it exhibits unique hydraulic properties to produce a rapid setting mortar which can arrest water seepage and infiltration through joints, cracks or porous areas in concrete and masonry structures. It is ideally suited for sealing in and around pipework and for forming fillets in tanking situations.

### USES

Rapid setting, polymer modified cementitious mortar for arresting water seepage and infiltration under pressure through cracks, joints and voids in concrete and masonry.  
Can also be used for rapid sealing and jointing in and around pipework, or in water retaining structures.

### ADVANTAGES

- Pre-packaged material requiring mixing with clean water.
- Low shrinkage and high bond strength ensure monolithic performance and watertight seal.
- Sets in 2 minutes 20°C, yielding a durable, high strength mortar.
- Physical properties of cured materials similar to base concrete.
- Polymer modified to ensure enhances adhesion in jointing situations and prevent wash out.
- Non-toxic when cured.

### PREPARATION

- Mechanically remove all damaged concrete and masonry back to a sound core.
- Joints and cracks should be square cut or ideally dovetail cut out to a minimum depth and width of 20mm.
- On cutting back, feather edges and V-cuts must be avoided.
- The perimeter of the area should be broken to a depth of 10mm preferably using a power chisel.
- The areas to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth.
- Smooth surfaces should be roughened, and all loose material and surface laitance removed using high pressure water.

- The prepared substrate should be thoroughly soaked with clean water until uniformly saturated without any standing water.

### MIXING

- rbs Waterplug should be mixed by hand in a clean plastic or rubber bowl.
- Ideally no more than 0.5kg should be mixed at a time using an initial mix ratio by volume of 1 part of water to 3-4 parts of rbs Waterplug.
- Adjust the mix ratio as necessary to give a putty like consistency. Mixing time must not exceed 2 minutes.

### PLACING

- The mixed material should be formed into a ball shape in a gloved hand until slight stiffening occurs.
- The rbs Waterplug should then be forced into the void with a minimum of working and held in place firmly for 1-2 minutes until setting occurs.

### CURING

Once the rbs Waterplug has been placed and stiffened sufficiently, the surface should be kept in a damp condition for a minimum of 15 minutes to aid curing.

### HEALTH & SAFETY

When working with rbs Waterplug suitable protective clothing, eye/face protection and gloves should be worn. (see relevant SDS). Areas where this product is being applied must be well ventilated. For further health and safety information, please refer to the relevant Safety Data Sheet

### PACKAGING & COVERAGE

|           |                                    |
|-----------|------------------------------------|
| Pack Size | 8kg                                |
| Yield     | 4.25 litres of mortar per 8kg pack |
| Coverage  | 2.15 kg/mm/m <sup>2</sup>          |



building solutions

# rbs Waterplug

Rapid Setting Water Plugging Mortar

## TECHNICAL DATA

|                             |                        |
|-----------------------------|------------------------|
| Mixed Colour                | Concrete Grey          |
| Mixed Density               | 2150 kg/m <sup>3</sup> |
| Min Application Thickness   | 20mm                   |
| Min Application Temperature | 5°C                    |
| Max Application Temperature | 25°C                   |

## MECHANICAL CHARACTERISTICS

|                      |                         |
|----------------------|-------------------------|
| Compressive Strength | BS 4551 Tested at 20°C: |
| 1 hour               | 4 MPa                   |
| 2 hours              | 5 MPa                   |
| 4 hours              | 8 MPa                   |
| 1 day                | 11 MPa                  |
| 7 days               | 19.5 MPa                |

## IMPORTANT NOTE

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded.

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Every bag counts!  
For more information on the Foundation,  
please visit our website.  
[www.resapol.com](http://www.resapol.com)