

### Description

GRIPSET C-PLUG is a rapid setting, non-shrink cement based compound that forms an instant waterproof seal against active water leaks under pressure. Gripset C-Plug is ideal for active water leakages through holes, cracks and similar openings in concrete and masonry surfaces.

### Features & Benefits

- Stops active water leaks and flowing water providing an instant waterproof seal
- Rapid set time in 1-3 minutes
- Non shrink formulation
- Cures to form mechanical strength of concrete
- Does not promote corrosion of steel reinforcement
- Non-toxic, non-staining and free of dangerous odours
- Can be sanded/grinded to existing structural contours
- Suitable for use with Gripset C-1P in subterranean areas subject to negative water seepage

### Application

- Gripset C-Plug is suitable for commercial, industrial, rural and residential applications.

### Uses

- Water Tanks and water retention structures
- Basements, cellars, underground car parks
- Lift shafts and lift pits
- Concrete pipes
- Tunnels, power stations and sewer systems
- Joint filling between concrete segments including pipes, culverts, tunnels, mines etc
- Waterproof, pressure resistant fillets at wall/floor junctions in water retaining structures when used in conjunction with Gripset C-1P
- Rapid set anchoring of bolts, fixtures, conduits, pipes and sanitary equipment Primed or dense concrete

### Surface Preparation

- Surfaces are to be free of, loose material, de-bonded coatings, curing agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains
- Grind open cracks, joints or holes in affected areas to a minimum width and depth of 20mm.
- For high volume leaks increase cut depth to a minimum 40mm
- For optimum results, cut sides to a square or dove tail profile where possible. **Important:** Avoid cutting channels to a "V" profile
- Surfaces to be left rough with good mechanical key avoiding smooth and feather edge finishes
- Flush area with water to ensure all loose surface particles and foreign matter is removed to maximise adhesion
- Treated areas must be dampened with clean water prior to application of Gripset C-Plug

### Application

- Mixing water used is to be approximately 20°C to enable correct strength development.
- The mixing of product is to be done by hand using spatula or similar **Important: Avoid using electric stirrers or paddles mixers.**
- A maximum of one handful, equivalent to approximately 0.5kg of powder is recommended per application.
- As a guide allow approximately 150mls of mixing water per 1kg of product

### Mixing

1. Place Gripset C-Plug powder into a clean, empty pail and add water
2. Mix quickly using a spatula to form a paste/ putty mortar consistency
3. Using a gloved hand hold material until a slight warmth is felt or signs of setting occur

### Installation

1. Press C-Plug into the opening and apply firm pressure. Initial setting time is approximately 30 seconds to 1 minute.
2. Once set slowly remove hand. Final setting time is 2-4 minutes
3. Once the Gripset C-Plug has set, dampen with clean water by mist or damp sponge for 15 minutes

**Note:** Cold temperatures may result in a slower curing rate. Warm water may assist in avoiding slower, prolonged curing times

### General

- For sealing larger areas, work from the outside to the centre following the instructions above until the total area is covered with the Gripset C-Plug
- Once the active leak has stopped, Gripset C-Plug set is able to be sanded/grinded to existing structural contours
- For active leaks between wall/floor junctions, cut out the crack/ joint at a minimum 20mm wide, cutting back slightly into the wall results achieved filling in the prepared joint and creating a 45°C cove at approximately 40mm wide

### Membrane System

For long term protection against future dampness and seepage, cover Gripset C-Plug with Gripset C-1P flexible cementitious membrane

### Shelf life & Storage

- Shelf life: 12 months if kept in a dry environment
- Best stored at room temperature.
- Avoid cold freezing conditions and off concrete floors.
- Do not store in direct sunlight.

### Do not store in direct sunlight Packaging

- 4kg and 15kp bags (in pails)

### Precautions

- Not to be used as a sealant/filler over expansion/movement joints
- Not suitable for use over non-cementitious surfaces
- Not to be used over frozen surfaces. Ensure concrete/masonry surfaces exposed to freezing conditions are free of ice.
- For further information about this product contact RLA Technical Department

Technical Data	
Appearance	Grey powder
Drying	Initial set <1minute Final set: 2-4 minutes
Wet density (kg/m <sup>3</sup> )	2150
Compressive strength @ 30minutes Compressive strength @ 28days	8MPa 35MPa
<small>Note: Compressive strength is subject to mixing water and ambient conditions</small>	
Tensile Strength	3.0N/2mm

#### **Disclaimer:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.

#### **GRIPSET C-PLUG**

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#### **Warranty Statement:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where the product is proven to have been stored, handled, and install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

#### **Australian Consumer Law:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.