

## System 100

## NEWTON 102

## Waterplug - Fast Setting Polymer Compound

Rev 1.4 - 22 December 2014

PRODUCT CODE - CW102

## INTRODUCTION

Newton 102 WaterPlug is a fast setting, polymer compound that instantly stops running water or seepage through masonry or concrete substrates. It becomes harder and more resistant when subjected to constant water pressure. Newton 102 WaterPlug is a non-shrink material that expands slightly and sets in about 2 minutes, depending on the temperature of the mixing water and the surface to which it is applied. Lower temperatures will retard the set time and higher temperatures will accelerate the set time.



## KEY BENEFITS

- Stops running water
- Fibre reinforced
- Polymer modified
- Non-shrink, non-metallic
- Exceptional durability
- Lasts as long as the structure to which it is applied
- Easy to use - no special skills or tools required

## TYPICAL APPLICATIONS

- Leak sealing prior to tanking with Newton 101F flexible cementitious coating
- Sealing of leaks at wall/floor junctions
- Sealing of leaking mortar joints
- Leak sealing of cracks in masonry or concrete
- Repair of construction faults such as honeycombing
- Anchoring of bolts or posts
- Controlling water ingress during sump installations

## MIXING

Mix Newton 102 WaterPlug with clean water only. Add just enough water to form a putty consistency. Do not use more Newton 102 WaterPlug than can be placed in 2 minutes, whilst allowing for only a 30 second mixing period. Place with minimum working or rubbing. Force Newton 102 WaterPlug into the crack or hole by pushing firmly; using maximum pressure. Keep damp for at least 15 minutes to help curing.

## Above normal temperatures

Newton 102 WaterPlug begins to set very quickly when the temperature is above 25°C. For best results make sure product and mixing water are below 25°C at time of application, otherwise set will begin immediately and structural strength will be weakened.

To slow down the setting action during warmer conditions use iced water to the mix.

**Note: Extreme weather conditions will retard or accelerate Newton 102 WaterPlug setting time.**

## APPLICATION

To help key the material always dovetail cut or cut square; do not use V-cut. Open the crack or hole by cutting to a minimum width and depth of 20mm. Flush away all cuttings and dust.

## Sealing Wall/Floor joints

Cut out crack to a minimum width and depth of 20mm, while cutting back into the wall slightly. Flush away all cuttings and dust. Smooth out the crack by forcing a round tool inside. Form fillet at the junction.

## Sealing against flowing water

Cut out crack or hole to a minimum width and depth of 20mm. Dovetail cut if possible. Start at the top and force Newton 102 WaterPlug into the crack. At points of greater pressure, do not place into the opening immediately. Hold in a gloved hand or on a trowel until slight warmth or drying occurs and then press firmly into the opening. Do not remove trowel or hand too soon. After stopping active water, patch evenly the surrounding wall surfaces.

## To repair leaking mortar joints and cracks in masonry walls or cracks in concrete walls

Cut out defective mortar joints or cracks to a minimum width and depth of 20mm. Dovetail cut if possible. Force Newton 102 WaterPlug into the crack and keep damp for at least 15 minutes.

# NEWTON 102

## WaterPlug

Repair holes, blister patches, honeycombing and other construction faults in concrete walls

Remove all tie wires, wood or steel separators by cutting back from the surface to a depth of 25mm. Mix to the consistency of mortar and fill all holes, blisters, patches, honeycomb and other construction faults, flush with surrounding surfaces. Scratch the finished surface for later applications.

For anchoring bolts or metal posts in concrete or masonry

Drill a hole deep enough to properly secure bolt or post and large enough so there is at least 13mm on all sides of bolt or post. Fill hole with Newton 102 WaterPlug and tamp so the entire hole is full. Immediately centre the bolt or post over hole and force the Newton 102 WaterPlug and tamp firmly around bolt or post. Keep moist for 15 minutes. Apply no pressure to bolt or post for 6 hours.

### COVERAGE

1kg = 0.46 litres

### CLEANING

Thoroughly clean all tools and equipment with water after use.

### PACKAGING

Newton 102 WaterPlug is supplied in 5kg, 15kg and 25kg containers.

### STORAGE

Newton 102 WaterPlug should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of up to 12 months can be expected.