

# Waterplug

## Rapid Setting Water Stop Repair Compound

- Instantly stops active water leaks in concrete and masonry
- Expands on application to form an instant watertight seal
- Use on holes, joints and cracks
- Sets above or below water level
- Coverage, 1kg will fill 585cm<sup>3</sup>

Colour	Product Code	Pack Size	Box Qty
Grey	FBWATPLUG5	5KG	1



## Waterplug

### Product Description

FEB WATERPLUG, when mixed with clean water, provides a ready to use ultra rapid setting durable plugging mortar for active water leaks in concrete and masonry. The material expands as it cures to form a watertight seal with similar characteristics to concrete.

### Typical Uses

FEB WATERPLUG is used to stop active water or seepage under pressure through joints, cracks and holes in concrete or masonry, where a normal mortar would be washed away and resin mortars would not bond. Areas of use include:

- As a seal for construction joints or floor joints prior to basement tanking with FEBTANK SUPER.
- For instant sewer connections and for sealing cracks and construction joints in reservoirs and other water retaining structures.
- For rapid anchoring of bolts, conduits, pipes, railings, sanitary equipment, etc.
- Joint filling, pointing between concrete segments in concrete and brick tunnels, sewage systems, pipes and mines.

### Features & Benefits

- Ultra-rapid set, instant plugging of leaks - requires the addition of water only.
- Expands as it sets, ensuring a permanent watertight seal.
- Similar characteristics and compatible with concrete.
- Chloride-free - does not promote corrosion of the reinforcement.

### Instructions for Use

#### Preparation of Substrate

Preferably, cracks or holes should be cut out to a minimum width and depth of 20mm, cutting the sides as square as is practical. Undercut if possible. Avoid leaving a V-section. Do not feather-edge. Flush out the hole or crack with water at high pressure in order to remove all loose particles and

dust. All surfaces must be dampened with clean water prior to application of FEB WATERPLUG.

#### Mixing

Mixing should only be done by hand.

#### Application

**For plugging active leaks:** Mix, in a suitable container, only sufficient material (0.5kg) that can be placed by hand in one application. Mix quickly. Do not over mix. Hold the material in a gloved hand until slight warmth is felt or setting occurs. Then press FEB WATERPLUG mortar firmly into the opening; do not remove the hand too quickly. If the opening is too big to be closed with 0.5kg of FEB WATERPLUG, work from the sides to the middle, following the above procedure. After stopping the active water, trim back.

#### For sealing cracks at the junction of floor and wall in an existing construction:

Cut out the crack at least 20mm wide and deep, cutting back into the wall slightly. Flush away all cuttings and dirt. Force FEB WATERPLUG mortar into the prepared crack and smooth it out. Form a 45° cove or fillet at the junction of floor and wall of approximately 35-45 mm.

#### For sealing the junction between a concrete floor and a masonry wall in new construction:

Form a rebate throughout the basement and subbasement rooms and pits by inserting a strip of wood 20mm x 20mm at the junction of vertical

masonry walls and the concrete floor slabs. The top edge of the strip should be laid true and level with finished concrete floors and left in place until fresh concrete has cured. Remove the wood strip previously inserted. Wash the groove with clean water from a hose pipe to remove debris. Fill the groove with FEB WATERPLUG mortar mixed to a stiff consistency; force or tamp it into place with a round nosed tool to form a cove between the floor and wall. Keep the FEB WATERPLUG mortar damp for 15 minutes if no active water is present.

**Refer to the Technical Datasheets for detailed instructions on other applications.**

#### Curing

Final setting time, 2 – 4 minutes. Once the placed FEB WATERPLUG mortar has stiffened sufficiently, dampen with clean water and maintain in a damp condition for a minimum of 15 minutes.

#### Coverage

1kg of powder will fill approximately 585cm<sup>3</sup> or a joint 20mm x 20mm x 1.45m.

#### Storage

All materials should be stored under cover, clear of the ground and stacked not more than 4 pails high. Protect the materials from all sources of moisture and frost.

#### Shelf Life

9 months when stored as directed.

### Performance Data

Wet density	2.14g/cm <sup>3</sup>
Chloride content	<0.1% w/w (nil)
Estimation (grouting)	Litres of material required (mixed) = $\frac{\text{width (mm)} \times \text{depth (mm)} \times \text{length (m)}}{1000}$
Shrinkage	Minimal (shrinkage compensated grade)
Compressive strength (N/mm <sup>2</sup> )	30 mins: 13.8; 24hrs: 31; 7 days: 44; 28 days: 53
Flexural strength (N/mm <sup>2</sup> )	30 mins: 2.7; 24hrs: 6.1; 7 days: 6.3; 28 days: 7.0
Tensile strength (N/mm <sup>2</sup> )	28 days: 3.3