

# CAP- HYDROPLUG

## RAPID SETTING PLUGGING MORTAR

### DESCRIPTION

**CAP-HYDROPLUG** is rapid setting hydraulic cement formulated to stop leaks in all types of concrete and masonry surfaces. It requires only the addition of water and achieves initial set within 3 minutes. **CAP-HYDROPLUG** contains hydraulic cement, silica sand, accelerator and adhesion promoter.

### USES

**CAP-HYDROPLUG** stops leakage and seepage through masonry, concrete floors, walls, junctions and around inserts such as sleeves and pipes. **CAP-HYDROPLUG** can be used above and below grade to plug holes, static cracks and faults in water retaining structures, basements, lift pits, tunnels and underground structures.

### ADVANTAGES

- Rapid setting.
- Easy to use; only addition of water is required.
- Chloride free; no risk to steel reinforcement.
- Non-toxic.
- Non-shrink. Expands as it sets and locks in with the edges of cracks or patches.
- Stops running water rapidly.

### PROPERTIES

#### Density

1980 kg/m<sup>3</sup>

#### Strength development at 25°C

6 N/mm<sup>2</sup> in 6 hours.

10 N/mm<sup>2</sup> in 24 hours.

#### Yield

5 lts per 10 kg bag.

### DIRECTIONS FOR USE

#### Surface preparation :

Area to be plugged must be clean from any loose or unsound concrete, mortar and laitance. If depression is less than ¾" in width or depth, chisel to this dimension with bottom wider than surface for best results. Flush with clean water. If hole or crack is not leaking at the time of repair, dampen area before plugging.

#### Mixing :

Mixing water temperature should be between 20 to 25°C to achieve normal setting rate and best results. Approximately 250 ml + 10 ml of water to be used for 1 kg powder, mixed with either clean spatula or gloved hand to a malleable consistency. Mix only the quantity which can be used immediately.

#### Watch point :

Materials should be mixed to semidry consistency to allow for hydration to take place with leakage water. Do not re-temper **CAP-HYDROPLUG**.

### APPLICATION

#### General patching :

Force **CAP-HYDROPLUG** into the crack or hole, evenly with the surface.

#### Patching active leaks :

Hold mixed **CAP-HYDROPLUG** in the hand until warm. Start at top of opening, firmly forcing **CAP-HYDROPLUG** into small section of the crack. Continue working down until crack is completely filled and **CAP-HYDROPLUG** set. If necessary apply further **CAP-HYDROPLUG** powder onto the surface.

#### Curing :

Standard concrete curing procedures should be followed to prevent rapid water loss and consequent loss of strength.

### COVERAGE

When mixed as per the direction of use, 1 kg **CAP-HYDROPLUG** fills 500 cm<sup>3</sup> or a crack of 2 cm x 2 cm x 125 cm.

### CLEANING

Clean tools and mixing equipment with water immediately after use.

### PACKAGING

**CAP-HYDROPLUG** is supplied as 10kg of plastic bags.

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### STORAGE

**CAP-HYDROPLUG** should be stored over pallets in a cool dry place.

### SHELF LIFE

12 months in unopened bags.

### SAFETY PRECAUTIONS

**CAP-HYDROPLUG** does not contain toxic materials. Care should be taken to avoid inhalation of dust and to prevent material entering into eyes.

### TECHNICAL SERVICE:

Our Technical Service Department is available at any time to advise you in the correct use of this product or any other Ahlia products.

**Note :** The information presented herein is based on the best of our knowledge and expertise for which every effort is made to ensure its reliability. Although all the products are subjected to rigid quality tests and are guaranteed against defective materials and manufacture, no specific guarantee can be extended because results depend not only on quality but also on other factors beyond our control.

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