



# SPEED PLUG

## RAPID-SETTING HYDRAULIC CEMENT

### DESCRIPTION

**SPEED PLUG** is a rapid-setting hydraulic cement compound used to instantly stop running water or seepage in masonry or concrete. **SPEED PLUG** is ready to use and requires only the addition of water before plugging and sealing active leaks.

### PRIMARY APPLICATIONS

- Concrete & masonry walls and floors
- Dams, swimming pools, cisterns, reservoirs, water tanks and manhole repairs

### FEATURES / BENEFITS

- Non-shrinking, non-metallic and non-corrosive
- Initial set in 1 to 3 minutes
- Stops running water or seepage leaks
- High strength
- Controlled expansion
- Can be applied underwater

### TECHNICAL INFORMATION

#### Material Properties at 24°C

#### Compressive Strength ASTM C 109 MPa

1 hour	10.0
1 day	17.0
28 days	50.0

#### Flexural Strength ASTM C 348

7 days	2.5
28 days	3.2

#### Appearance

**SPEED PLUG** is a grey hydraulic cement compound

Values presented are typical and not necessarily referenced to create specifications.

### PACKAGING

**SPEED PLUG** is packaged in 5 kg plastic pails.

### SHELF LIFE

1 year in original, unopened package

### COVERAGE

5 kg of **SPEED PLUG** yields approximately 0.0025m<sup>3</sup>.

### DIRECTIONS FOR USE

**Surface Preparation:** Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Properly clean profiled area.

**Priming:** Clean and prime exposed steel with suitable reinforcement protective coating and allow to fully dry prior to the application of **SPEED PLUG**.

**Mixing:** Pour potable water into a clean mixing container and gradually add **SPEED PLUG**. Use approximately 1.2 - 1.5 kg of water for 5 kg of materials. Mix rapidly with a trowel to the consistency of stiff putty with no slump for no more than 30 seconds. **SPEED PLUG** will flash set in 60 to 90 seconds. Properly mixed, **SPEED PLUG** can be hand formed into a ball.

**Application:** SSD areas for repair with potable water immediately before application of **SPEED PLUG**.

**General Patching:** Force **SPEED PLUG** into the crack or hole by hand or with a trowel. Rapidly fill to the full depth of the opening.

**Patching Active Leaks:** Start at the top of the crack or hole, and force the **SPEED PLUG** to the full depth of the prepared area. Apply direct pressure to the new patch until the **SPEED PLUG** has taken a firm set. Mix fresh material, and continue patching toward the area of the greatest pressure. When extreme water pressure is encountered, physically hold the mixed **SPEED PLUG** with a hand against the leak and apply continuous pressure until the **SPEED PLUG** has set, and the water has stopped running. Do not use a twisting motion.

**Floor-Wall Patching:** Follow above methods for the specific conditions encountered. Use a rounded tool to force the **SPEED PLUG** into the joint, and construct a 45° transitional cove between the floor and wall at the same time.

**Expansion/Contraction Cracks:** Do not use **SPEED PLUG** to treat dynamic cracks.

## CLEAN UP

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Clean tools and mixing equipment with water immediately after use.

## PRECAUTIONS / LIMITATIONS

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- Do not retemper **SPEED PLUG**. Do not apply **SPEED PLUG** to frozen or frost filled surfaces.
- Do not twist **SPEED PLUG** into the hole while plugging running water leaks.
- Do not prewet in cold weather.
- Do not use in dynamic (moving) cracks or expansion joints.
- In all cases, consult the Safety Data Sheet before use

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