

## Rapid setting mortar for plugging running water

### Uses

Capcem Plug is formulated for the rapid sealing of water leaks from fissures, cracks, etc., where slower setting conventional mortars would be washed away and where fast setting resin mortars will not bond on wet surfaces. Ideal surfaces are most rock types, concrete and brick.

### Advantages

- Rapid set stops water leaks quickly.
- The seal or plug is permanent.
- Cement based, the mortar is non-toxic, non-combustible and non-corrosive.
- Only water needs to be added.

### Description

Capcem Plug is supplied as a dry powder needing only the addition of water to produce an ultra rapid set plugging mortar. Two grades are supplied as follows:

Grade	Setting time (minutes)*
Capcem Plug 1	1
Capcem Plug 3	3

\* BS 4550 Part 3:Section 3.6:1978

### Properties

Capcem Plug sets to a hard, durable mortar with an ultimate compressive strength of approximately 10 MPa when mixed as advised.

### Application Instructions

#### Surface preparation

Surfaces should be brushed clean, if possible. Grease or loose material should be removed. The surface need not be dry, but should be wetted before application.

#### Mixing and application

Capcem Plug should be mixed in the proportion 3 parts Capcem Plug powder by volume to 1 part water, then mixed by trowel in a suitable container or in the bucket as supplied. If mixed by hand, gloves should be worn. Due to the rapid set, only small quantities should be mixed each time. The soft mortar should then be hand- or trowel-pressed into place and held in place until the mortar sets.

### Curing

The set mortar will cure best in humid conditions where dry-out can be avoided.

### Cleaning

Capcem Plug mortar can be removed from tools with water if cleaned quickly, otherwise mechanical cleaning may be necessary.

### Estimating

#### Pack Size

Grade	Pack Size	Yield
Plug 1	10 kg	5 litres
Plug 3	10 kg	5 litres

### Shelf life / Storage Conditions

Store Capcem Plug unopened in original bags in dry conditions. Storage outside these guidelines may impair shelf life, which is normally 12 months.

### Precautions

#### Health and safety

Capcem Plug is non-toxic but should not be ingested as it is based on cements and is therefore alkaline. Gloves should be worn and accidental splashes of the material to the skin or eyes should be immediately washed off with clean water. In the event of prolonged irritation, seek medical advice. Refer to Material Safety Data Sheet.

### Technical Support

Minova RSA provides a technical advisory service supported by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

### Additional information

Minova RSA is a market leader specialising in the supply of high performance chemical products for the mining and tunnelling industries.

The Minova RSA range of products includes anchoring and backfill systems, bagged cement products, high yield grouts, mine sealants, equipment and accessories, for which a product brochure is available on request.

### **Important note**

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