

MINING / CONSTRUCTION

Capcem™ Plug

RAPID SETTING MORTAR

DESCRIPTION

Capcem™ Plug is supplied as a dry powder needing only the addition of water to produce an ultra-rapid set plugging mortar.

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

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Two grades are available, as follows:

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

* BS 4550 Part 3: Section 3.6:1978

APPLICATION AND USE

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



APPLICATION METHOD

1. Surface preparation

Surfaces should be brushed clean, if possible. Grease or loose material should be removed.

The surface need not be dry. Dry surfaces should be wetted before application.

2. Mixing and application

Capcem™ Plug should be mixed in the proportion 3 parts Capcem™ Plug powder by volume to 1 part water. Mix 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 be hand- or trowel-pressed into place and held in place until the mortar sets.

3. Curing

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

4. Cleaning

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

SAFETY INSTRUCTIONS AND LIMITATIONS

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.

PACKAGING AND TRANSPORTATION

Capcem™ Plug is supplied as a dry powder.

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

STORAGE AND SHELF LIFE

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

DISPOSAL

Follow local regulations.

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