

## Setplug Method Statement (Rapid set cementitious mortar for plugging of water leaks)

### Section A : General Comments

#### General

- (i) The minimum application thickness of Setplug is 15 mm.
- (ii) Do not apply the product when frost is expected within 12 hours of the application.
- (iii) For hot temperature applications, the product should be stored in a shaded area and cool water shall be used.

#### Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

Protective clothing	:	Protective overalls
	:	Good quality gloves
Equipment	:	Graduated cylinder
	:	Clean empty drum (20 litre)
	:	Stainless steel trowel

### Section B : Application

#### 1.0 Surface Preparation

- 1.1 All surfaces should be clean, sound and free from dust, loose particles, unsound materials, curing compounds and any other contaminants.
- 1.2 All areas to be patched should be cut back to a minimum depth of 15 mm.
- 1.3 Leaking cracks should be chased out to a depth of 20 mm.

#### 2.0 Mixing

- 2.1 Clean water should be added to a clean container.
- 2.2 Add the powder slowly and mix using a trowel or gloved hand until a stiff mixture is obtained.
- 2.3 The mixing ratio should be 1 part of water for each 3 parts of Setplug measured by volume, this is equivalent to 1 part of water for each 4 parts of Setplug measured by weight.

Notes:

- Due to the rapid set nature of the product, mix only small amounts that can be used within the setting time.



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- *In cold conditions, the use of warm water (room temperature) is advisable to accelerate strength development.*

### 3.0 Application

- 3.1 Apply the product to the leaking areas using trowel or gloved hand and hold until set.
- 3.2 When the needed quantity is mixed, it must be used and held in the needed position until the initial set is reached (1 minute at 25°C).
- 3.3 Cover the leaking area and surrounding areas, provided that the application thickness shall not be less than 15 mm.

### Section B : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Setplug**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.



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