

## Technical Datasheet

# AQUAFIX

## Rapid-setting cement for instant sealing of water leaks

### Description

AQUAFIX is a rapid-setting cement, showing a hardening reaction that starts immediately after the addition of water.

### Fields of application

AQUAFIX is used for instant plugging of local or superficial water leaks, rapid fixing and anchoring.

### Technical data

Form:	cementitious powder
Color:	grey
Water demand:	30% by weight of AQUAFIX
Bulk density of dry mortar:	1.25 ± 0.05 kg/l
Compressive strength, after:	
• 30 minutes:	> 10 N/mm <sup>2</sup>
• 1 day:	> 20 N/mm <sup>2</sup>
• 28 days:	> 30 N/mm <sup>2</sup>
Flexural strength:	> 6 N/mm <sup>2</sup>
Pot life:	approximately 1 min at +20°C
Beginning of hardening:	immediately after the addition of water

### Directions for use

#### 1. Substrate preparation

The substrate must be stable, clean and moistened, if dry. Any loose material (paint, plaster, etc.) should be removed to expose a stable substrate (concrete or masonry).

#### 2. Application

##### a) Sealing of leaking points

The point of leakage (crack, hole, etc.) should be widened in a conical shape (getting wider as it goes deeper) to a depth of 2-3 cm. A small quantity of AQUAFIX should be gradually added to water and mixed for 5-10 seconds, until it becomes like wet clay. The mixture is pressed onto the leak and held there for approx. 1 minute, until it hardens sufficiently.

##### b) Sealing of leaking surfaces

The wet and stable surface should be first brushed with AQUAMAT-F (consumption 200- 300 g/m<sup>2</sup>) and then immediately with AQUAMAT (consumption approx. 1.5 kg/m<sup>2</sup>). While this layer is still fresh, it should be rubbed with AQUAFIX powder (consumption 1.0-1.5 kg/m<sup>2</sup>) until the surface dries. Afterwards, the surface should be brushed again with AQUAMAT-F, followed by at least 2 layers of AQUAMAT, until a total thickness of 2-4 mm is achieved. If there is a possibility for cracking, AQUAMAT-FLEX or AQUAMAT-ELASTIC is recommended for the last 2 layers.

### Consumption

Approx. 1.6 kg of AQUAFIX is required to prepare 1 l of hardened mixture.

### Packaging

1 kg, 5 kg and 15 kg containers.

### Shelf-life/Storage

12 months from production date, if stored in original, unopened packaging, in places protected from moisture and frost.

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## Remarks

- The temperature during application should be at least +5°C.
- The setting time of AQUAFIX depends on the ambient conditions (temperature, humidity, etc.). Under, high temperature conditions, the setting time is decreased and, for this reason, it is recommended to mix it with cold water. On the other hand, at low temperatures, the setting time is increased and warm water should be used for mixing.
- In cases of extensive work or applications requiring increased thickness, AQUAFIX may be mixed with sand (1-3 parts by volume), before the addition of water. In this case, the setting time will be slightly increased. Ordinary cement may also be added to further extend setting time, if desired.
- During application, the use of rubber gloves is recommended.
- Material that has started to set must not be softened again with water.
- Tools should be cleaned with water, immediately after use.
- The product contains cement, which reacts with water forming alkaline solutions, thus is classified as irritant.
- Consult the directions for safe use and precautions written on the package.

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