

Technical Manual

Cement for sealing leaks

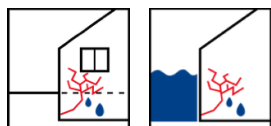
LeakFix is a water-resistant cement mortar designed for stopping leaks. It hardens upon contact with water and forms a durable bond within a few seconds. It is resistant to frost, road salt, and weather conditions.

Properties:

- ❖ **Setting time: 10 seconds**
- ❖ Applied by rubbing dry mortar onto wet surfaces
- ❖ Bonds underwater
- ❖ Resistant to salt, sulfates, and petroleum products
- ❖ Does not cause corrosion of steel elements
- ❖ Chloride-free
- ❖ Water-resistant
- ❖ Frost-resistant



Areas of application:



- ❖ Basements, underground garages, tunnels, water barriers, sewers, wastewater treatment plants, concrete pipes, elevator shafts, rainwater retention tanks, port walls, culverts, dam walls, rainwater tanks, tunnels, locks, underground passages/drives, excavations, and water pumping stations.
- ❖ Sewage network, industrial, hydraulic, and power engineering infrastructure.

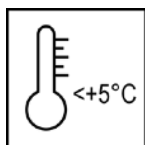
Preparatory works

- ❖ Proper preparation of the substrate requires following the recommendations listed below:
- ❖ Load-bearing substrate: remove loose fragments of mortar, concrete, stone, brick and roughen the surface.
- ❖ Clean substrate: the concrete/brick/stone surface should be free of loose fractions, dust, sludge, cement stains, oil stains and other impurities.
- ❖ Moisten the substrate: generously moisten a dry substrate with water.
- ❖ Reinforcing steel: exposed steel elements should be cleaned of impurities and rust to cleanliness grade Sa 2/2 according to PN-EN ISO 8501-1.

Directions for use

- ❖ Manual application. Protective gloves should be worn.
- ❖ Take a handful of powder and pack it into a hard ball, resembling a snowball.
- ❖ Quickly and with appropriate force, press the formed ball into the place of the water leak, holding it until the water stops flowing.
- ❖ If the leak is large or the water is flowing with greater pressure, mix LeakFix with a lot of water until a thick paste is obtained. Immediately plug the leak.

Application method



- ❖ The material, surroundings, and substrate temperature should be within +5°C to +30°C.
- ❖ Lower temperatures result in longer setting time, while higher temperatures result in shorter setting time.

Setting time upon contact with water:	25 °C - sets rapidly upon application
	7 °C - 3 -10 sec.

Reinforce the mortar:

- ❖ Water the mortar and the surrounding area immediately after placement to enhance its sealing ability.
- ❖ Protect freshly applied mortar from wind, drafts, and direct sunlight.
- ❖ Be mindful of the temperature of the water used for hydration, as it should be similar to the ambient and setting temperature of the mortar to prevent cracking.
- ❖ Avoid a significant temperature difference between the top and bottom areas of the setting mortar to prevent cracking.
- ❖ Remember that the maintenance of the mortar is crucial for its durability and quality.

Usage

- ❖ Approximate consumption: 1 - 1.6 kg/m² (at a layer thickness of 1mm).

Storage Durability

- ❖ In a dry, cool, and non-sunlit place.
- ❖ Shelf life of 12 months from the production date in the original, unopened packaging.

Safety

- ❖ To use the product safely, the following issues should be taken into account:
- ❖ It contains cement, therefore personal protective equipment such as gloves and protective goggles should be used.
- ❖ Detailed information regarding the safety, health, and hazardous properties of the material can be found in the Safety Data Sheet, which can be obtained upon request.

Disposal

- ❖ The responsibility for the disposal of the packaging rests with the end user and should be carried out in accordance with applicable regulations.

Technical data

Compressive strength	R 1
Chloride ion content	≤ 0,05%
Adhesion	≥ 0,8 MPa
Swelling [%]:	0,1 <
Reaction to fire	class A1
Condition of reinforcement in the mortar cover:	passive