

WATERSHOCK

Cement Based, Fast Setting, Waterproofing Material (Waterplug)

Description

Cement-based, reinforced with mineral filler, special additives and polymers, quick-setting, one-component waterproofing material that instantly stops running water through holes or cracks in concrete or masonry. It expands as it sets to lock into place even under constant water pressure.

Fields of Application

- Repairing static cracks.
- Waterproofing of active water leak.
- To block water leak before waterproofing.
- To chamfered edge and corner joints and repaired cold joints.
- In underground and surface structures, sewer systems.

Features and Benefits

- Easy to prepare and apply.
- Stops water leaks due to the fast setting property.
- Works as a water leak plug with expanding volume.
- Resistant to corrosion.
- Non-toxic. Safely us in water tanks.
- Topcoat insulation material can be applied within a short time after application.

Technical Data

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| Content | Mix of cement, graded silica, calcium hydroxide, fillers and additives |
| Color | Grey |
| Mixing | 5 kg WATERSHOCK : 1,20 - 1,40 liters water |
| Bonding Strength (EN 1542) | ≥ 0,50 N/mm ² (28 days) |
| Compressive Strength | ≥ 7 N/mm ² (30 min) ≥ 10 N/mm ² (1 day) ≥ 30 N/mm ² (28 days) |
| Application Temperature | +5°C to +25°C |
| Set Time | 3-5 minutes |
| HS Code | 3824.99.70.00.00 |

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Application Procedure

Preparation of Substrate

The application surface must be clear, durable and clean off any dirt, dust, paint, mud, etc. that may prevent the product from sticking on the surface. The cavities, cracks, or the leakage points from which the active water leakage occurs must be opened up to the solid ground. The surface must be dampened before the application.

Application Method

WATERSHOCK is added into the clean container, added specified amount of clean water and mixed by hand until getting homogenous blend. Mixing water must be clean and free of salt and lime. 5 kg **WATERSHOCK** should be mixed with 1,20 - 1,40 lt clean water. It is absolutely necessary to wear rubber glove during this process. Do not mix exceed 30 seconds. For stop active water from running through concrete and masonry, cut out cracks or hole to until reaching solid. During the mixture stirring, mortar gets warm. Warmer mortar is shaped manually by hand, pressed into the region to be plugged firmly and held until it becomes rigid. Do not remove hand pressure too soon so as to provide some confinement to **WATERSHOCK** expansion during its set. Do not twist the material during placement or disturb during set time. To stop leaking mortar joints or static cracks in below-grade masonry and concrete walls, cut out defective mortar joints or cracks to deep enough and then **WATERSHOCK** is filled into opening and keep damp for at least 15 minutes or until a set is fully achieved. To anchor steel bolts or posts in vertical concrete or masonry, drill a hole deep enough and large enough on all sides of bolt or post. Holes must be clean off all dust and dirt particle and dampened. Fill the hole with **WATERSHOCK** and damp so that entire hole is full. Immediately center bolt or post over hole and force into the putty-like **WATERSHOCK**. The regions from which too much water leaks or the deep holes can be plugged by applying multiple layers. The mortar application surface must be cooled and cured by damping for 15 minutes after the application.

Consumption

Variable.

Packaging

5 kg plastic bucket

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Shelf Life

6 months in original, unopened package.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- **WATERSHOCK** must be dampened within 15 minutes after application
- Do not apply to dynamic cracks.
- Do not use to fill expansion joints or control joints.
- Pre-dampen the substrates prior to placing **WATERSHOCK**.
- Do not use as a surface-applied coating or as a patching material.
- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +25°C.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

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Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.