



Description

Waterproofing, rapid setting cement based plug mortar containing mineral fillers which can be applied in powder and mortar form to stop active water leaks.

Fields of Application

- To plug and dry the water leakages in foundations, basements, concrete walls of water tanks and concrete pipes, tunnels, reservoirs, etc. before the application of waterproofing materials.
- Repairing and waterproofing of cable and pipe holes.
- Repairing and waterproofing of tie rod holes.
- Used for internal waterproofing of basement floors with Kalekim İzoseal.

Properties

- Can be applied in powder form without mixing with water.
- Sets very rapidly.
- Easy to use.
- Sets without shrinkage, non-cracking.
- Not corrosive for the concrete reinforcement.
- Excellent adhesion.
- High mechanical resistance.
- All kinds of waterproofing materials can be applied on it.

Preparation of Substrates

- The substrates should be dampened.
- The surface should be clean, dry and sound.
- Remove loose pieces, dust, dirt, oil, grease etc. that may prevent adhesion.
- Cracks and holes should be scraped off and cleaned 2 cm wide and deep.

Application

Mortar Application

- Pour 0.18 lt of water into 1 kg of powder and mold by hand until the mortar reaches the right consistency.
- Make a conic shaped mortar by hand in 30 seconds and compress it on the leaking area with a single and rapid action.
- Apply constant pressure for minimum two minutes until the mortar sets.
- Right after the application, correct disorders and smooth the surface with suitable tools.

Powder Application

- A fair amount of powder taken in the palm should be applied with a single movement and pressure to the area where the water is leaking.
- Wear gloves, during application.
- Constant pressure should be applied until active water leakage stops (approximately 5 seconds).

Post-Application Protection & Suggestions

- Clean tools and hands with water right after the application.
- Dry time is slower in mixtures prepared using cold water, while dry time is faster in mixtures prepared with hot water. For this reason, warm or hot water can be used in the winter months to control the dry time.



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Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and severe weather conditions.
- Do not stack more than 3 buckets on top of each other.
- Shelf life is maximum 12 months under above mentioned storage conditions.

Packaging

- 5 kg plastic pail

Technical Properties

(at 23 °C and 50% RH)

General Data

Appearance	Grey Powder
Shelf Life	12 months when stored in the original sealed packaging

Application Data

Application Temperature	(+5°C) - (+35°C)
Mixing Ratio	0.18 lt water / 1 kg powder
Pot Life	1 min
Ready to Use	2 min
Consumption	2 kg for a hole having a volume about 1 lt.

Performance Data

Flexural Strength (EN 12190)	≥ 3 N/mm ²
Compression Strength (EN 12190)	≥ 20 N/mm ²
Shrinkage (EN 12617-4) (mm/m)	Max. 2%