



Description

Waterproof, very fast setting in contact with water, composed of mineral fillings and cement based plug mortar used for sealing and repairing of water leakages.

Fields of Application

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

Properties

- Sets very rapidly (in 30 seconds).
- Can be applied under water.
- Sets without shrinkage, non-cracking.
- Not corrosive for the concrete reinforcement.
- Excellent adhesion.
- High mechanical resistance.
- All kinds of waterproofing materials can be applied over it.

Preparation of Substrates

- Application surfaces should be moist.
- The surface needs to 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 depth.

Application

- Pour 0.23 – 0.25 lt of water into 1 kg of powder and mix it until the mortar reaches the right consistency.
- Make a conic shape mortar by hand in 30 seconds and compress it on the leaking area with a single and rapid action.
- Apply constant pressure for minimum 60 seconds until the mortar sets.
- Right after the application, correct disorders and smooth the surface with tools.

Post-Application Protection & Suggestions

- Right after the application, clean the application tools.
- Setting time is slower in mixtures prepared using cold water whereas it is faster in mixtures prepared using with hot water. Therefore warm or hot water can be used in winter to control the setting time.

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 pails on top of each other.
- Shelf life is 12 months when stored in the original sealed packing.

Packaging

- 5 kg plastic pail

3005 İzostop Rapid

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	0.23 – 0.25 lt water / 1 kg powder
Pot Life	Max. 30 seconds
Mixing Time	Max. 15 seconds
Heating Time	15-30 seconds
Consumption	2 kg for a hole having a volume about 1 lt.

Performance Data

Flexural Strength	$\geq 3 \text{ N/mm}^2$
Compression Strength	$\geq 25 \text{ N/mm}^2$
Shrinkage	Max. 3% mm/m

**3005 İzostop Rapid**