

# STOPPER

## ACTIVE WATER SEALANT



### DESCRIPTION

- Single component, instant setting, ready-to-use plugging mortar with high adherence, used for the insulation of active water leaks, for repair and assembly purposes.

### TECHNICAL DATA

Appearance	: Grey powder
Application temperature	: (+5°C) - (+30°C)
Standard class	: R3
Cavity unit volume mass	: 2000±100 kg/m <sup>3</sup>
Flexural strength	: 7.5 N/mm <sup>2</sup>
Compressive strength	: 25 N/mm <sup>2</sup>
Bond formed by adhesion	: 1.5 N/mm <sup>2</sup>
Fire reaction class	: A1

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### INTENDED USES

- On horizontal and vertical applications of interior and exterior surfaces,
- In filling tie-rod iron gaps inside the mould,
- In plugging of active water leaks before insulation,
- It is used to stop water leakage in basements, foundations, retaining walls, water tanks, elevator shafts, pools and concrete pipes.

### PROPERTIES

- It gains strength very quickly. It is easy to apply.
- High resistance to pressure.
- It expands in the opposite direction of the incoming water. it sets fast and stops the flow of water.
- After 15 minutes, insulation materials can be applied on it.

### APPLICATION

- Cracks and holes with water leakage must be dug up to 2 cm width and depth or until they reach solid ground before application.
- **STOPPER** material is in powder form or mixed with water and turned into a conical shape with your hand and the leakage is stopped by pressing the area of the water leakage with a single movement and keeping your hand steady for at least 1 minute.
- Do not add aggregate or foreign material to the material.  
**Mortar application:** **STOPPER** in powder form (1 kg powder / 0.2-0.3 litres of water) is added into the clean container filled with the specified amount of water in an amount sufficient for the size of the area to be filled.
- It is mixed by hand or with a spatula until a homogeneous mixture is obtained. Rubber gloves should be worn during this process.
- The application process should be done from outside to inside.
- The mortar prepared as soon as it starts to set should be shaped by hand into the hole opened and pressed tightly to the area to be blocked in one move and kept until it hardens.
- Since **STOPPER** sets instantly, the process should be completed within 1 minute. No water should be added onto the set or cured mortar.
- Deep holes can be blocked by applying in multiple layers.

### SURFACE TREATMENT

- The surface must be free of residues such as oil, dirt, mud that will prevent adhesion.
- Leak points with cracks, gaps or active water leakage should be opened to solid ground.
- Before the application, care should be taken that the surfaces are cleaned and slightly moistened.

### PACKAGING

- 1 kg & 5 kg Plastic bucket

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

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### WARNINGS AND RECOMMENDATIONS

- After the application, the application surface must be moistened, cooled and cured for 15 minutes.
- Not applicable for aerated concrete blocks.
- **STOPPER** is not flexible. Later, it may crack in areas subject to vibration, movement or settling.
- Not applicable on surfaces that are suitable for movement or have general cracks.
- In cold weather applications, in order to maximize the workability of the material, the packages should be conditioned at +20°C - +25°C and made ready for use.
- In very high water pressure, the application should be made by reducing the water pressure by placing a hose at the mouth of the discharge hole.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- Do not apply to surfaces that have been exposed to sunlight for too long or that are frozen.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

### SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 6 months from the date of manufacture. Protect from frost.

### CONSUMPTION

- 1.7-2.0 kg powder (For 1 litre of fresh mortar)

### QUALITY CERTIFICATES

- In accordance with **TS EN 1504-3** standard and **R3 class**.

 <b>2163</b>	
YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerçiler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ <b>18</b> <b>DoP number: 04.PB 1504-3.005</b>	
<b>2163-CPR-0561-1</b> <b>TS EN 1504-3</b> <b>STOPPER / ACTIVE WATER SEALANT</b> <b>R3 CLASS</b>	
Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 3: Structural and non-structural repair Principle 3: Concrete's novation, Method 3.1. Mortar implementation by hand	
Compressive strength	: ≥ 25 MPa
Chloride ion content	: ≤ 0.05%
Bond formed by adhesion	: ≥ 1.5 MPa
Resistance to carbonation	: Approved
Limited shrinkage / expansion	: ≥ 1.5 Mpa
Elasticity module	: ≥ 15 Gpa
Capillary water absorption	: < 0.5 kg/m <sup>2</sup> .h <sup>0.5</sup>
Fire reaction class	: A1
Hazardous substance	: Suitable