

## REPAMERK 425

Cement Based, Fire Resistant Mortar

### Description

**REPAMERK 425** is a cement based, containing special additives, hydraulic binders and low weighted aggregates which suitable use in interior and exterior walls to fire resistant and thermal acoustic insulation need areas.

### Fields of Application

- Uses in fire protection needed areas.
- Protects any surface from fire such as bricks, concrete, metal, wood etc.
- Hospital, security buildings,
- In sections of the cable ducts.

### Features and Benefits

- Fire protection.
- Painted on.
- Increase thermal and acoustic isolation.
- Prevents mold formation on inner surfaces.

### Technical Data

Content	Mineral fillers, polymer modified special cement
Color	Grey
Mixing Ratio	10 kg <b>REPAMERK 425</b> : max 6-6,5 L water
Mixture Density	1,325±0,1 g/cm <sup>3</sup>
Compressive Strength	>9 N/mm <sup>2</sup> (EN 12808-3)
Flexural Strength	>1,5 N/mm <sup>2</sup> (EN 12808-3)
Fire Response	Class A1
Temperature Resistance	+900°C
Application Temperature	+5°C to 35°C
Pot Life	30 minutes
Curing Time	
<i>Pedestrian Traffic</i>	24 hours
HS Code	3214.10.90.00.00

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## Application Procedure

### Preparation of Substrate

Concrete surface must be sound, clean and dry. Surface must be clean off dust, dirt, rust, oil and all contaminants. If there is a water leakage, it must be drained or properly plugged. Concrete surfaces must be saturated with water before application. Immediately before pouring, surface should be wetted, then remove all excess or standing water from within any formwork.

### Application Method

10 kg **REPAMERK 425** is poured into 6-6.5 L water and mix for 3-4 minutes under low speed mixer until having a homogenous consistency. Let the mortar have rest for 4 minutes and re-mix for 30 seconds. Prepared mortar should be applied within 30 minutes in 20°C. **REPAMERK 425** is applied on the surface by using a trowel. For outdoor application at least 3 hours surface should be protected from sunlight, rain and frost.

## Consumption

0,83 kg powder for 1mm / 1m<sup>2</sup>

## Packaging

10 kg kraft bag

## Shelf Life

12 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.

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### Cautions / Limitations

- Application surface must be protected from the rain, wind, frost etc. during first 24-48 hours after finishing repair.
- Prepared repair mortar must be applied within 30 minutes at 20°C.
- 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 +35°C.
- Allow 4 weeks before washing or cleaning for full cure.

### 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.

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.