

REPAMERK 1

Cement Based, Repair Mortar for Non-Structural Repairs

Description

REPAMERK 1 is cement based one component, polymer modified repair mortar for non-structural repairs on concrete structures.

Fields of Application

- Repairing and smoothing the concrete surfaces,
- Repairing and plastering the exposed concrete,
- Repairing and plastering ceiling and walls,
- Repair of the defects on the concrete surfaces before coating waterproofing, ceramic, tile etc. application.

Features and Benefits

- Mixed with only water and can be applied easily.
- Has high stability.
- Perfect bonding to the concrete substrates.
- Does not sag due to the thixotropic behavior.

Technical Data

Content	Mineral fillers, polymer modified special cement
Color	Grey
Mixing Ratio	25 kg REPAMERK 1 : 5,5 - 6,0 lt water
Mixture Density	1,90±0,1 kg/cm ³
Adhesion Strength (Concrete) (TS EN 1542)	>1,0 N/mm ² (28 days)
Compressive Strength (TS EN 196)	>10 N/mm ² (28 days)
Application Tools	Trowel / Sprayer
Pot Life	30 minutes
Fully Cured	28 days
HS Code	3214.10.90.00.00

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Application Procedure

Preparation of Substrate

Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and loose pieces. If there is a water leakage it must be drained or properly plugged. Concrete surfaces must be saturated with water before application. Defects up to 4 cm depth should be repaired with **REPAMERK 301**.

Application Method

25 kg **REPAMERK 1** is mixed with 5,5 - 6,0 liters water under low speed mixer for 3-4 minutes until obtaining homogenous mixture. Mixture should be applied in 30 minutes at 20°C. **REPAMERK 1** is applied with a trowel as 5-30 mm thickness. If required more smooth finish, water should be sprayed onto the mortar and the surface should be finished with using steel or wooden trowel.

Consumption

For 10 mm thickness approximately 15,00 kg/m² powder is required. Recommended application thickness is min. 5 mm / max. 30 mm.

Packaging

25 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.
- Do not use curing materials.
- Prepared repair mortar must be applied within 45 minutes at 20°C, this time is 20-25 minutes at 30°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.

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.