

REPAMERK 325

Corrosion Protection and Bonding Agent Mortar

Description

It is a cement based, one component, polymer modified, corrosion protection coating and bonding agent mortar.

Fields of Application

- As a corrosion protection for steel reinforcement in concrete
- Bonding agent for concrete repair mortars.

Features and Benefits

- Excellent adhesion on steel and concrete substrates.
- High mechanical strengths
- High impermeable to water and chlorides.
- Protects surface against to moisture and water.
- Easy to apply.

Technical Data

Content	Mineral filler, polymer modified special cement mixture
Color	Grey
Compressive Strength (TS EN 196)	>30 N/mm ²
Adhesion Strength	>1,5 N/mm ² (on concrete) >1,0 N/mm ² (on steel)
Application Temperature	+5°C to +30°C
Pot Life	60 minutes
Drying Time	28 days
HS Code	3214.10.90.00.00

Application Procedure

Preparation of Substrate

Concrete substrates: Must be clean, sound and free from dust, oil, grease and other contaminants. Surfaces should be abraded with needle gun, mechanical wire brush etc. Surface laitance must be

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removed. The prepared substrate should be wetted with water until uniformly saturated, leaving any standing water.

Steel reinforcement: All surface must be clean, free from oil, grease, rust and other surface contaminants. Surface should be ready by sandblasting.

Application Method

5,5 - 6 lt water is mixed with 25 kg **REPAMERK 325**. Powder is added into water and slowly stir with electrical stirred until getting homogenous mixture during 4 minutes. Let the mortar have rest for 4 minutes and re-mix for 30 seconds to apply with brush, roller or spray gun.

As Reinforcement Corrosion Protection: **REPAMERK 325** is applied on steel surface approximately 1 mm thickness with brush or spray. After 4-5 hours later second layer is applied as the same thickness. The subsequent repair mortar should be applied after a similar period of time.

As Primer: **REPAMERK 325** is applied on concrete surface approximately 1 mm thickness with brush, roll or spray. If surface is too absorbent, second layer should be applied after 3-4 hours later. The subsequent repair mortar should be applied while **REPAMERK 325** is still wet, nearly 30 minutes later.

Consumption

1,55 kg of dry powder is used for 1 liter mixture. As primer; 1,50 - 2,0 kg/m² dry powder.

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

- Prepared material must be used within 60 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 +30°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.