



Bia-Fix Gas-Concrete Adhesive Mortar

Cement Based, Single Component, Gas-Concrete Masonry Mortar

It is a cement-based adhesive mortar with reduced slip, easily prepared and applied, used in bonding tiles and ceramics.

AREAS OF USAGE

It is used in the construction of gas-concrete walls on interior and exterior facade.

Specification / Advantage

- Its adhesive strength is high,
- Water vapor permeable
- Easy to prepare and apply,
- Does not burn.
- Resistant to water, frost, humidity and severe weather conditions,

Technical Specifications

Appearance	: Gray powder
Dry Mortar Unit Weight	: 1600 ± 100 kg / m ³
Compressive Strength (28 Days)	: > 10 N / mm ²
Flexural Strength (28 Days)	: > 3 N / mm ²
Water Absorption	: < 2kg / m ² h0.5
Water Vapor Permeability	: μ: 15/35
Fire Response	: Class A1

Note: These values are given for + 23 ± 2°C temperature and 50% ± 5 relative humidity conditions.

Application Information

Application Temperature	: (+5°C) - (+35°C)
Resting Time	: 10 minutes
Workability time	: > 120 min
Mixing Ratio	: 7 lt water / 25 kg powder
Mortar Curing Time	: 48 hours

Preparation of Surface

The application surface should be free from mold oil, dust, paint, dirt, detergent, etc. It should be free from substances that prevent holding.

Application

- Slowly pour 25 kg of Bia-Fix Gas-Concrete Adhesive Mortar into 7 liters of water in the mixing container and mix it with a preferably low speed mixer until there is no lump.
- After the prepared material is rested for 10 minutes, it should be mixed for 1-2 more minutes and the application should be started.
- Adhesive mortar is applied on horizontal and vertical surfaces with a notched trowel. The placed gas-concrete is fitted by ramming it from the top and from the side.
- During the knitting process, the combination of columns and curtains with gas-concrete blocks should be provided with Bia-Fix Gas-Concrete Adhesive Mortar.
- Application should not be made under direct sunlight, rain and strong winds.
- The prepared mortar must be consumed within 3 hours.

Consumption

1,5 - 2 kg/m² (when applied with a thickness of 1 mm)

Packing

25,00 kg kraft bag.

Shelf Life

The expiry date is 8 months from the date of production if it is stored in unopened original packaging, in a maximum 8-layer stacking, in a dry environment, protected from direct sunlight and frost.

Safety Precautions / Warnings

- It should be used between +5°C and +35°C.
- No foreign material should be added into the prepared mortar.
- The expired mortar should not be mixed with water or dry mortar and used again.
- Do not apply under direct sunlight.
- It should not be applied on very hot and frozen surfaces exposed to the sun for a long time.
- Gas-concrete blocks should be moistened with water before adhering.
- As the material is cement-based, avoid inhalation, skin and eye contact.
- For more information on Health and Safety, view the safety data sheet.

Hazard Classification

H315: Causes skin irritation.

H319: Causes serious eye irritation.



Precautionary Statements

-Precautions

P264: Wash thoroughly with soap and water after handling.

P280: Wear protective gloves / protective clothing / eye protection / face protection.

-Intervention

P302+352: IF ON SKIN: Wash with plenty of water.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P332+313: If skin irritation occurs: Get medical advice/attention.

P337+313: If eye irritation persists get medical advice/attention.

Responsibility

The information given in this technical document is based on our scientific and practical knowledge. Orkim Ortaklar Boya Sanayi ve Pazarlama A.Ş. it is only responsible for the quality of the product. Orkim Ortaklar Boya Sanayi ve Pazarlama A.Ş. shall not be held liable for any consequences which may arise from outside of the written suggestions about where and how the product will be used and/or due to incorrect use. The responsibility of applying our product correctly is the responsibility of the user.

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