

ISOLION GAS CONCRETE WALLING MORTAR

Product Definition	<ul style="list-style-type: none">› It is adhesive mortar specially developed for adhering of products such as gas concrete, youtong, hollow concrete, decorative brick, glass brick etc., that is cement-based with single component, high performance and polymer additive.
Area of Use	<ul style="list-style-type: none">› In internal and external areas,› In horizontal and vertical surface applications,› It is used for adhesion of elements such as gas concrete, youtong, hollow concrete, decorative and glass brick that have high water absorption level.
Characteristics and Advantages	<ul style="list-style-type: none">› Its adherence performance is high.› It is durable and long lasting.› Provides ease of application.› It is resistant to water and moisture.
Application Details	<ul style="list-style-type: none">› It should be cleaned of foreign objects such as dust, oil, paint etc. preventing adherence on the surface. To obtain a smooth finish, loose damaged concretes on the surface should be cleaned using chisel or leveling tools. It should be noted that application has reached surface strength.
Surface Preparation	<ul style="list-style-type: none">› It should be filled and leveled with appropriate ISOLION REPAIR MORTAR in surfaces requiring repair 3-4 days before application.
Application	<ul style="list-style-type: none">› ISOLION GAS CONCRETE WALLING MORTAR of 25 kg powder form is added to 6-6.5 l clean water and mixed with low speed mixer or drill for 3-4 min to ensure a homogeneous mixture without agglomerate. This prepared mixture is rested for 5-10 min for maturation and used by mixing again. It is advised to consume the mix in container in 2-2.5 hours.› Ready made ISOLION GAS CONCRETE WALLING MORTAR is applied with trowel with by pressing strongly of the surface, and a layer is formed. Mortar applied on the surface to be adhered is combed with a toothed trowel suitable to type according to and/or dimensions of gas concrete to be adhered (10X10 width). A better adhesion is ensured by hitting gas concrete with a plastic mallet after adhering on mortar. Gas concrete is pressed and adhered strongly within at the latest 25 minutes. Contact of 90% of gas concrete's back surface with mortar should be ensured.› Walling process is conducted by watering sub- and side surfaces of gas concretes in the first line that will be applied with mortar. This process is not necessary for following lines.
Warnings and Recommendations	<ul style="list-style-type: none">› Refrain from applications below +5°C and over +35°C.› Do not apply under direct sunlight and/or wind.› Avoid contact with eyes. Wash with plenty of water in case of contact. Consult to the nearest health center immediately.

Technical Specifications

Quality Standards Compliance	C1. (Normal Setting)
Color	Gray or White
Appearance	Thin Dust
Density	1.67 kg/h
Water Mixture Ratio	For 6-5.5 l water for 25 kg powder
Resting	5-10 min
Operating Time	2-2.5 hours
Fixable Time	25 min
Application Surface Temperature	+5 °C,+30 °C
Pressure Resistance	≥5 N/mm ² (28 Days)
Flexural Strength	≥3 N/mm ² (28 Days)
Processable Duration	Min. 240 min
Water Suction	≤0.25 kg/m ² .dk½
Density	1300±200 kg/m ³
Fire Reaction Class	A1

*** Tests have been performed in a laboratory environment at 23 °C and 50% relative humidity.

Consumption › Average 4-5 kg/m², Varies according to the dimensions of gas concrete.

Packing › Craft bag of 25 Kg.

Shelf Life › 12 months under suitable conditions in unopened original packaging.

Standard › Conforms to TS EN 998-1 standard.

