

ISOLION ISOLATION PLATE ADHESIVE MORTAR

Product Definition	<ul style="list-style-type: none">› It is high performance adhesive mortar with polymer additive that is cement-based, one-component and that is reinforced with special chemicals for use in adhering heat insulation boards (EPS-XPS-STONE WOOL-GLASS WOOL).
Area of Use	<ul style="list-style-type: none">› Used in internal and external areas,› In horizontal and vertical surfaces,› It is used in adhering heat insulation materials such as EPS- XPS-STONE WOOL-GLASS WOOL etc.
Characteristics and Advantages	<ul style="list-style-type: none">› Easy to prepare and apply.› Resistant to thermal shock.› Its adherence performance is high.
Application Details	<ul style="list-style-type: none">› Surfaces should be clean, smooth and solid as purified from adhesion prohibiting materials and wastes etc. dust, oil, dirt, rust, mold lubricant and detergents. If segregation exists in cement, loose and deteriorated parts should be thrown and weak parts must be removed. If any cracks and holes exist on the surface to be applied, they should be repaired with suitable ISOLION REPAIR MORTAR.
Surface Preparation	
Application	<ul style="list-style-type: none">› ISOLION ISOLATION PLATE ADHERING MORTAR in 25 kg powder form is mixed with 6-7 liters of water with the help of a low-speed mixer or drilling machine until a homogeneous mixture is obtained without lumps. This mixture is rested for maturation and dissolution of chemicals inside and mixed again.› ISOLION ISOLATION PLATE ADHERING PLATE, prepared for use, is applied on back sides of plates. There are two types of application method;
Carding Method	<ul style="list-style-type: none">› It is the application made with toothed trowel on the whole surface of back side of heat insulation plates.
Spot Application Method	<ul style="list-style-type: none">› It is the application implemented by placing heaps of mortar on back sides of heat insulation plates. Minimum 40% of insulation plate should be covered with mortar.
Warnings and Recommendations	<ul style="list-style-type: none">› Refrain from applications below +5°C and over +35°C.› Do not add power or water to mortar with operation duration passed.› Do not apply under direct sunlight and/or wind.› Refrain from using on surfaces exposed to prolonged sun exposure or frozen or with the risk of freezing paid or 24 hours.› Avoid contact with eyes. Wash with plenty of water in case of contact. Consult to the nearest health center immediately.

Technical Specifications

Color	Gray
Appearance	Thin Dust
Application Surface Temperature	+5°C, +30°C
Water Mixture Ratio	6-7 l for 25 kg of powder
Density	1.60 kg/l
Resting	5-10 min
Crustation Duration	30 min
Porous Unit Volumetric Mass of Fresh Mortar	Min. 1000 kg/m ³
Sieve Analysis	Max. remaining on 1 mm 1%
Flexural Strength	Min. 2 N/mm ²
Pressure Resistance	Min. 6 N/mm ²
Connection Resistance	Min. 0.5 N/mm ²
Heating Insulation Plate Adhesion Strength	Min. 0.08 N/mm ²
Water Suction	Max 30 min = 5 g Max. 240 min = 10 gr
Fire Reaction Class	A1

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

Consumption › 4-5 kg/m²

Packing › Craft bags of 25 kg

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

Standard › Conforms to TS EN 13566 standard.

