

ISOLION FIBER ISOLATION PLATE PLASTER

Product Definition	<ul style="list-style-type: none">› It is high performance adhesive mortar with polymer and fiber additive that is cement-based, one-component and that is reinforced with special chemicals for use in adhering heat insulation plates (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 plastering 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.› It has high strength.
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">› ISOLIO FIBER ISOLATION PLATE MORTAR in 25 kg powder form is mixed with 6.5-7.5 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 FIBER ISOLATION PLATE MORTAR, prepared ready for use, is applied as first layer application of 2-3 mm thickness with the help of trowel on façades of plates, and fitting net is placed within mortar from upwards to downwards while mortar is wet. A second coat is applied after drying the first layer of mortar.› It should be noted that, during application, fitting net joints should be mounted successively at every 10 cm. If painting application will continue, wait at least 2-3 days.
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	6.5-7.5 l for 25 kg of powder
Density	1.65 kg/l
Resting	5-10 min
Application thickness	Between 3-5 mm
Hardened cement based plaster's hollow unit volume mass	1350±300 kg/m ³
Operating duration	1.5-2 hours
Porous Unit Volumetric Mass of Fresh Mortar	Min. 1150 kg/m ³
Sieve Analysis	Max. remaining on 1 mm 1%
Adhesion resistance (plate)	Min. 0.08 N/mm ²
Flexural Strength	Min. 2 N/mm ²
Pressure Resistance	Min. 6 N/mm ²
Water vapor permeability coefficient	Should be $\mu \leq 15$
Thermal conductivity	≤ 0.54 W/M.k.(P=90%)
Water Suction	Max.0.5 kg/mm ² .minute ^{1/2}
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 C› conforms to TS EN 998-1 standard.

