



İZOSET

Thermal Insulation Board Plaster Mortar

Cement-based, polymer-added surface plaster for thermal insulation systems.

ADVANTAGES

- Provides excellent adherence to thermal insulation boards.
- Resistant to thermal shocks. It is easy to apply and creates smooth surfaces.

APPLICATION AREA

- It is used as a surface plaster on XPS, EPS, and rock wool thermal insulation boards in all buildings.

APPLICATION SURFACES

- On interior and exterior facades;
 - XPS (Extruded polystyrene),
 - EPS (Expanded polystyrene),
 - Rock wool,
- Consult us for all other application substrates.

APPLICATION FEATURES

- Usable time of the prepared mortar: 3 hours
- Application thickness: 4 mm
- Applicable layer thickness: Maximum 2 mm
- Time to wait between coats: 3-4 hours
- Time to wait for the final coat application on **İZOSET Thermal Insulation Board Plaster Mortar** plaster: Minimum 7 days.

WARNINGS and SUGGESTIONS

Dilatation joints should never be closed with **İZOSET Thermal Insulation Board Plaster Mortar**, a dilatation profile should be used for these sections.

SURFACE PREPARATION

- The insulation board must be solid, well adhered to the underlying surface, clean and dry.
- The gaps between the boards should be filled with the same insulation material or foam according to the width, the protrusions that may occur should be cleaned to reduce the consumption of **İZOSET Thermal Insulation Board Plaster Mortar**.



APPLICATION CONDITIONS

- Ambient temperature +5 °C to +30 °C.
- Avoid applying under the sun in very humid and/or very hot weather.
- It should not be applied on surfaces that are frozen, melting or where there is a risk of frost within 24 hours.

APPLICATION

- Average 6.5 liters of clean water and 25 kg of **İZOSET Thermal Insulation Board Plaster Mortar** should be mixed thoroughly for 5 minutes, preferably with a low-speed mixer or trowel so that no lumps remain.
- The mortar should be rested for 10 minutes before application.
- **İZOSET Thermal Insulation Board Plaster Mortar** should be applied to the surface with the help of a steel trowel.
- Reinforcement mesh should be placed from top to bottom by pressing and stretching well, without being folded and at an equal distance from the insulation board to the entire surface, before the **İZOSET Thermal Insulation Board Plaster Mortar** dries.
- In order to prevent cracks, the reinforcement mesh should be applied by overlapping 10 cm at the joints.
- Reinforcement mesh should be rotated at least 20 cm at the corners and on all beams, window and door frames.
- The second layer should be applied after 3-4 hours.
- After the application, the surface will be suitable for exterior cladding.

CONSUMPTION TABLE

İZOSET Thermal Insulation Board Plaster Mortar
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4,5 - 5 kg/m ²



TECHNICAL SPECIFICATIONS

(23 °C and 50% RH)

GENERAL INFORMATION

Appearance	Thick gray powder
Powder Density	1500±100 kg/m ³
Water Mixing Ratio	6 - 7 L water / 25 kg powder
Rest Time	5-10 minutes
Pot Life	~2 hours
Application Temperature	+5°C to +35°C
Sieve Analysis	1 mm sieve top ≤ 1.0
Hollow Unit Volume of Fresh Mortar its mass	%1200 ± 200 kg/m ³ (TS EN 1015-6)
Flexural Strength	≥ 2 N/mm ² (TS EN 1015-11)
Compressive Strength	≥ 6 N/mm ² (TS EN 1015-11)
Adhesion Force to Thermal Insulation Board	≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption Amount	≤ 0.5 kg/(m ² minute 0.5) (TS EN 1015-18)
Water Vapor Permeability Coefficient (μ)	≤ 15 (TS EN 1015-19)
Thermal Conductivity	≤ 0.45 W/mK (TS EN 1745-Table A12)
Service Temperature	-20°C / +70°C

These values have been obtained as a result of laboratory experiments and are valid for the performance of the finished applications after 28 days. Values may vary due to differences in the construction site environment.

PACKAGING

Net 25 kg bag, (64 bags / pallet / 1600 kg).

COLOUR

Grey

APPLICATION TOOLS

Hand mixer, steel trowel, reinforcement mesh.

SHELF LIFE

From the date of manufacture in damp and dry environments it is 12 months. The mouth of the containers should be tightly closed when not in use.

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STANDARD NO
TS EN 13687
ÜRÜN İSMİ/ PRODUCT NAME
İZOSET
TİP TÜR / TYPE:
Isı Yalıtım Levhası için Çimento Esaslı
Sıvalar
(Cement Based Plasters for
Thermal Insulating Board)

Taze Harcın Boşluklu
Birim Hacim Kütleli
(Bulk Density of
Fresh Mortar)

≥1000 mm³

Elekt Analizi
(Sieve Analysis)

1mm göz açıklığına sahip
elek üzerinde kalan miktar
en çok %1
(Maximum %1 of the
material retained on
1 mm sieve.)

Eğilme Dayanımı
(Flexural Strength)

Min. 2 N/mm²

Basınç Dayanımı
(Compressive Strength)

Min. 6 N/mm²

Su Buharı Geçirgenliği
Kat Sayısı
(Water vapour permeability
coefficient)

μ ≤ 15

Isıl İletkenlik
(Thermal conductivity
mean (λ10, dry mat values))

≤ 0,45 W/mK

Isı Yalıtım Levhasına
Yapışma Kuvveti
(Adhesion Strength to
Thermal Insulating Board)

≥0,08 N/mm²

Su emme
(Water Absorption)

≤0,5 kg/m² dakika⁰³

LEGAL RESPONSIBILITIES

The specified times are valid at 20 °C surface and ambient temperature, the time is extended at low temperatures and shortened at high temperatures. Application errors that may occur if the product is used out of its intended use or if the application conditions and recommendations mentioned above are not followed. Izoset Insulation Industry. ve Tic. Inc. is not responsible.

CONTACT

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