



İZOSET

Thermal Insulation Board Adhesive Mortar

Cement-based, polymer powdered adhesive mortar for thermal insulation boards.

ADVANTAGES

- It has high bonding strength.
- Resistant to thermal shocks.

APPLICATION AREA

- It is used for bonding XPS, EPS and rockwool thermal insulation boards in all buildings.

APPLICATION SURFACES

- On Interior and Exterior;
 - Gross concrete,
 - Brick,
 - Cement-based plaster,
 - Gas concrete
- Consult us for all other application substrates.

APPLICATION LIMIT

- Not applicable on unstable and low resistance surfaces.

APPLICATION FEATURES

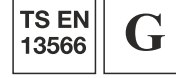
- Usable time of the prepared mortar: 3 hours.
- Time required to apply plaster on the adhered insulation board: 2 days.

WARNINGS and SUGGESTIONS

- The insulation boards should be placed close to each other, the gaps between the boards should be as small as possible in order to prevent heat transfer.

SURFACE PREPARATION

- The surface must be clean, dry, smooth and solid.
- Very porous surfaces should be wetted and waited until the water layer disappears, keeping the surface moist.
- Significant defects or holes on the surface must be repaired with repair mortar at least 24 hours before the application of **İZOSET Thermal Insulation Board Adhesive 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 liters of water and 25 kg of **İZOSET Thermal Insulation Board Adhesive Mortar** adhesive 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 Adhesive Mortar** should be applied all around the insulation board, paying attention to remain 5 mm from the edges.
- 3 large pieces of **İZOSET Thermal Insulation Board Adhesive Mortar** to the middle part should be applied pointwise.
- It should be noted that 40% of the insulation board is covered with adhesive. In order not to act as a conductor, glue should not be overflowed into the joints.
- Depending on the weather conditions, **İZOSET Thermal Insulation Board Adhesive Mortar** can be applied to the insulation boards adhered with **İZOSET Thermal Insulation Board Adhesive Mortar** after 2 days.

CONSUMPTION TABLE

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



TECHNICAL SPECIFICATIONS

(23 °C and 50% RH)

GENERAL INFORMATION

Appearance	Fine gray powder
Powder Density	~ 1.50 kg/lt
Water Mixing Ratio	6.0 - 7.0 L water / 25 kg powder
Rest Time	5-10 minutes
Pot Life	~2 hours
Crusting Time	15 minutes
Doweling	After a minimum of 24 hours
Plaster Application Time	1-2 days later
Application Temperature	+5°C to +35°C
Grain Distribution	1 mm sieve top ≤ 1% (TS EN 1015-1)
Hollow Unit Volume of Fresh Mortar its mass	≥ 1500±100 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)
Substrate Adhesion Force	≥ 0.5 N/mm ² (TS EN 1015-12)
Adhesion Force to Thermal Insulation Board	≥ 0.08 N/mm ² (TS EN 1015-11)
Water Absorption Amount	≤ 5 g in 30 minutes ≤ 10 g in 240 minutes (TS EN 12808-5)
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, trowel.

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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İZOSET İZOLASYON SAN. TİC. A.Ş. Elazığ Yolu 22. Km Organize Sanayi Bölgesi 2.Etap Diyarbakır, Türkiye	
STANDARD NO TS 13566 ÜRÜN İSMİ/ PRODUCT NAME İZOSET TİP TÜR / TYPE: Isı Yalıtım Levhası için Çimento Esaslı Yapıştırıcılar (Cement Based Adhesives for Thermal Insulating Board)	
Taze Harcın Boşluklu Birim Hacim Kütleli (Bulk Density of Fresh Mortar)	≥1000 mm ³
Elek 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/mm ²
Basınç Dayanımı (Compressive Strength)	Min. 6 N/mm ²
Alt Tabakaya Yapışma Kuvveti (Adhesion Strength to Bottom Layer)	≥0,5 N/mm ²
Isı Yalıtım Levhasına Yapışma Kuvveti (Adhesion Strength to Thermal Insulating Board)	≥0,08 N/mm ²
Su emme (Water Absorption)	≤5 gr

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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