



TermoBor[®]

"Ecological Insulation Products"





"With New Generation
Insulation Products"

THE FUTURE AND BUDGET OF BUILDINGS

Under Our Protection



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TURKEY'S RICHEST MINERAL, RISING VALUE OF BUILDINGS; BORON



Boron mineral has a light structure consisting of thousands of open and closed air cavities. Easily absorbs high frequency sounds, fire resistant up to 1100 OC, corrosion resistant and does not rust, cannot be destroyed by microorganisms, and is safe for human health and safety. It is an ecological mine that is extremely sensitive to the environment. Here we take advantage of the superior properties of boron ore and produce special **TermoBor** ecological products.

We produced insulation products.

Termobor is a special product because;

- It is not harmful to health because it is produced from sterile and natural materials.
- It does not cause corrosion or rust and is not destroyed by microorganisms.
- It provides quality life in spaces thanks to its feature of allowing buildings to breathe.
- Provides excellent insulation in hot and cold weather.
- It has water repellency properties.
- It does not contain carcinogenic substances.
- It is natural and does not harm the environment.
- It does not create a thermal bridge.
- Provides superior sound insulation.





Insulation Plaster

It is applied thanks to the porous and natural aggregates in its structure.



Definition

It is applied thanks to the porous and natural aggregates in its structure. It provides heat-water-sound and fire insulation with a single layer on the surface. It prevents sweating thanks to its breathing feature. It does not contain carcinogenic substances. It is natural and does not harm the environment and human health. Since it does not require assembly with joints, intermediate layers and dowels, no thermal bridges occur. It can be used in 4 seasons.

Product Specifications

Thermal Conductivity	0.052w/mK
Sound Insulation Structure	22db (3cm/500hz)
Fire Resistance	A1 Fireproof
Compressive Strength	0.64 n/mm ²
Water Vapor Permeability	6.78
Intensity	313 kg/m ³
Water Absorption Coefficient	W1
Bag Strength	0.12 n/mm ² FP:B
Consumption	3-3.5kg/m ² /1cm
Applicable Thickness	1-4cm
Drying Time	1 day at 23 °C 50% humidity
Apparance	White Grey
Application Temperature	+5/+45 °C
Exercise Management	Applied with steel trowel and spraying machine
Surfaces on which it is applied	Exposed concrete, brick, aerated concrete, plaster, pumice etc.
Packaging Shape	7 kg kraft bag
Storage Life	Standby life 12 months when stored in a dry environment

 THERMAL INSULATION	 WATER ISOLATION	 INFLAMMABLE, FIRE INSULATION	 SOUND INSULATION	 BREATHABLE	 NATURAL, HEALTHY, ENVIRONMENTAL FRIENDLY
 PROTECTION AGAINST PESTS	 EARTHQUAKE RESISTANCE	 STABLE INSULATION VALUE	 ECONOMIC	 EASY AND QUICK APPLICATION	 TISSUE COMPATIBILITY LONG LIFE

Safety Warnings

- Warm floor application should not be done.
- Material mixing should be done by wearing a dust mask and gloves.
- If it comes into contact with the eyes, it should be washed with plenty of water.
- It should be stored in a dry and moisture-free environment.

SURFACE PREPARATION

In order to provide a better performance of the product, dirt, oil, dust, dirt should be removed from the application surface. swollen paint, lime, construction residues, etc. After the factors such as are eliminated and the surface is made suitable for application, It should be slightly moistened..

PRECAUTIONS TO BE CONSIDERED

Since **TermoBor Ecological Insulation Plaster** is a water-based product, it must be subject to weather conditions during the preparation of the mortar before application attention should be paid. Precautions should be taken against the danger of frost before and after the application surface. for mortar mixing the water used in the specified amount, not adding too much water, once the bag is opened, must be consumed.

MIXING METHOD

9 liters of clean water is poured into the vessel where the mortar will be prepared, 7 kg of **TermoBor Ecological Insulation Plaster** is drained and added. The mortar vessel in which the mixture will be prepared should be thoroughly cleaned beforehand, and the residues accumulated on the edge of the vessel during mixing should be removed with a steel trowel. It should be scraped thoroughly and mixed again. Then, mix it with a mixer at 500-600 rpm for 4-5 minutes until it becomes homogeneous.is mixed. After mixing, the mortar is left to rest for 10 minutes and if necessary, 1 liter more water is added depending on its consistency. It is mixed again and made ready for application. The usable time of the prepared mortar is 6 hours.

USAGE METHOD

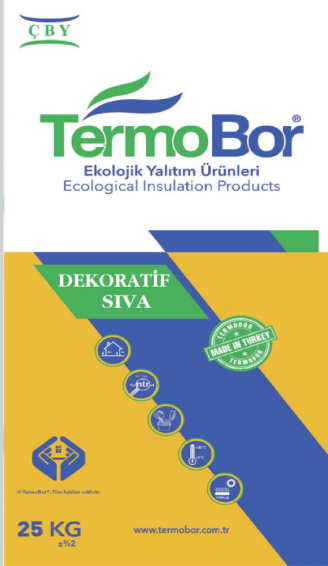
TermoBor Ecological Insulation application can be done with a steel trowel or spraying machine. In practice, the slats that will determine the desired thickness are attached to the wall. The prepared TermoBor Ecological Insulation Plaster is filled between the laths using a steel trowel or spraying machine. The measurement slats are removed and after filling the resulting gaps, we start waiting for the second floor. Waiting time is 24 hours depending on air temperature and humidity (°23 C - 50% humidity environment). After the layer has set, a second layer can be applied in the range of 10 mm to 20 mm depending on the desired thickness and decorative plaster etc. can be applied optionally on top. After this is done, the floor is ready for painting.





Ecological Decorative Plaster

On the exterior surfaces of all buildings, columns and beams, rough and thin plaster, brick, pumice, aerated concrete, etc. It is applied to surfaces and provides excellent insulation.



Definition

Thanks to the porous and natural aggregates in its structure, it provides heat-water-sound and fire insulation with a single layer on the applied surface. It prevents sweating thanks to its breathing feature. It does not contain carcinogenic substances. It is natural and does not harm the environment and human health. Since it does not require assembly with joints, intermediate layers and dowels, no thermal bridges occur. It can be used in 4 seasons.

Product Specifications

Powder Color	White
Water Mixing Ratio	6.5-7 liters of water / 25 kg of powder
Resting Time	2-3 minutes
Pot Life Approx	1-2 hours
Operating Temperature	+5 °C to +30 °C
Consumption Approx	3-3.5 kg
Technical Information	23 °C air temperature and 50% humidity (+%5) data obtained in the relative humidity confirmation.
Dry Film Thickness	E5
Grain Size	S4
Water Vapor Transfer Rate	V2
Water Transfer Rate	W3
Crack Covering Feature	AO
Carbon Dioxide Permeability	CO
Mold Growth Resistance	K2

 THERMAL INSULATION	 WATER ISOLATION	 INFLAMMABLE, FIRE INSULATION	 SOUND INSULATION	 BREATHABLE	 NATURAL, HEALTHY, ENVIRONMENTAL FRIENDLY
 PROTECTION AGAINST PESTS	 EARTHQUAKE RESISTANCE	 STABLE INSULATION VALUE	 ECONOMIC	 EASY AND QUICK APPLICATION	 TISSUE COMPATIBILITY LONG LIFE

Safety Warnings

- Warm floor application should not be done.
- Material mixing should be done by wearing a dust mask and gloves.
- If it comes into contact with the eyes, it should be washed with plenty of water.
- It should be stored in a dry and moisture-free environment.

SURFACE PREPARATION

The surfaces of the Polystyrene Sheets to be coated must be clean and dry. At least 48 hours must have passed since the boards were configured with the registered HEAT BOARD PLASTER.

PRECAUTIONS TO BE CONSIDERED

Since the product contains cement, contact with water causes an alkaline reaction. In case of contact with eyes and skin, rinse with plenty of water. A doctor should be consulted. Packaging is in 25 kg kraft bags. The shelf life can be stored for 6 months in moisture-free environments and in unopened packages on a pallet with an 8-layer stack.

MIXING METHOD

25 kg of Mineral Plaster is added to approximately 6.50-7.00 liters of clean water and mixed preferably with a low-speed mixer or trowel until there are no lumps. Wait for the prepared mortar for 4-5 minutes. The matured mortar is mixed again and made ready for use. Prepared mortar it should be consumed within 1-1.5 hours.

USAGE METHOD

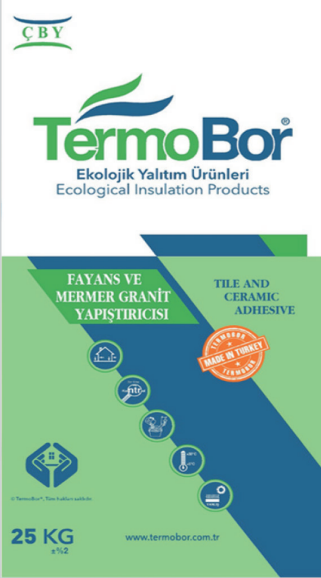
The material should be applied to the surface with a steel trowel and spread over the entire surface in equal thickness. Application thickness should be adjusted according to the largest aggregate. latest. Within 10 minutes, while the material is still wet, create a pattern on the plaster by making circular movements with the plastic trowel. If the air temperature is high after the application is completed, moisten the surface until the cement sets.





Tile and Marble Granite Adhesive

It is applied on the exterior surfaces of all buildings, columns and beams, rough and thin plaster, brick, pumice, aerated concrete, etc. and provides excellent insulation.



Definition

Cement based, water resistant, high adhesion marble granite adhesive.

SURFACE PREPARATION

The areas to be used must be clean, flat, solid and free from dust, paint, detergent and oils.

PRECAUTIONS TO BE CONSIDERED

Since the product contains cement, contact with water causes an alkaline reaction. In case of contact with eyes and skin, rinse with plenty of water and consult a doctor. Packaging: Shelf life in 25 kg Kraft bags. It can be stored for 6 months in moisture-free environments and in unopened packages on a pallet with 8 layers of stacks.

USAGE METHOD

Work at +50C to +350C ambient temperature. Tile after being applied to the surface with a trowel comb with a toothed comb appropriate to its size. Place the tile on the surface and press gently. Make sure it sits on the surface with a rubber-tipped hammer. Adhesion to the joint filling process. Please proceed at least 24 hours after the procedure.



Safety Warnings

- Warm floor application should not be done.
- Material mixing should be done by wearing a dust mask and gloves.
- If it comes into contact with the eyes, it should be washed with plenty of water.
- It should be stored in a dry and moisture-free environment.