termoküp

thermal insulation plate

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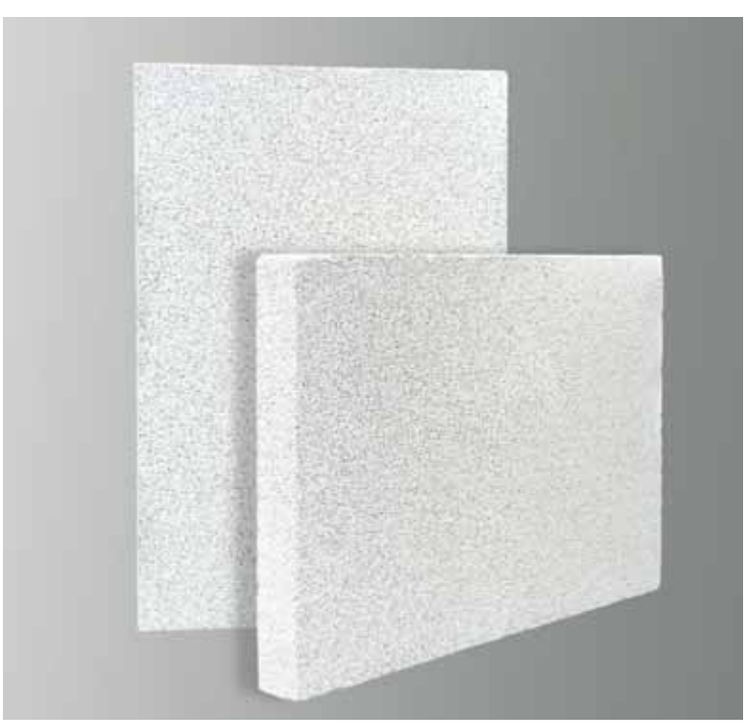
advantages

- HIGH THERMAL INSULATION
- EASY TO APPLY
- FIREPROOF
- QUICK APPLICATION
- OPEN FOR VAPOUR DIFFUSION
- DURABLE
- 150kg/m³ LIGHT
- ENVIRONMENTALLY FRIENDLY

Termokup is also an ideal complement to other AAC material because it has the same properties as AAC, it is also an ideal complement to other aerated material. It makes possible an efficient application without thermal bridge in all areas of operation makes it possible

50 - 60 - 75 - 100 mm thicknesses. Solid form of the Termokup enables quick and easy processing of the material. It can be cut easily and cleanly by using a hand saw or utility knife or similar tool.



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Product Characteristics and Performance Values

Fire Class	A1 Sınıfı
Short Term Water Absorption	Max 15 kg/m^2
Long Term Water Absorption	Max 20 kg/m^2
Vapor Permeability	(μ) Max 5
Thermal Conductivity	λ 0,045 W/mK
The Size Deviation	2 mm/m
Density	Max 150 kg/m^3
Behavior Under Point Load	4679 Newton
Compressive Strength	≥400 kPa
Tensile Strength Perpendicular To The Surface	180 kPa
Plexural Strength	Min150 kPa
Other Features	- Bacteria, fungi, insects and deterioration does not occur. - It does not give off noxious gases during fire

Termokup is lightweight, robust, and solid mineral-based thermal insulation materials and also thermal conductivity value is 0.045 W/mK .
It increases the energy efficiency of buildings with high thermal insulation and energy savings

This product can be applied for the purpose of thermal insulation of buildings as both the outer and inner surface and also it uses for old and new buildings.

Application areas are given below:

* For Thermal insulation of the exterior concrete surfaces of the new buildings.

* For thermal insulation of the exterior façade for the old and new buildings.

* Thermal insulation of roof, terrace, the basement and the ceiling of the garage.

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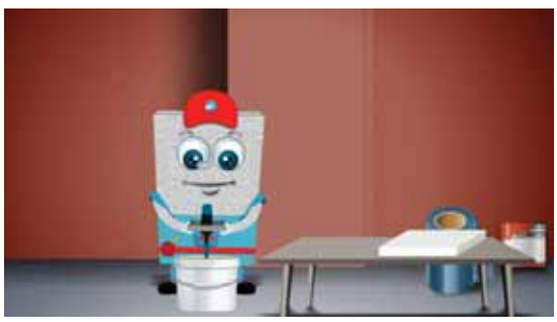
Application Areas



Facade Use

* Adhesive is applied over full surface on the thermal insulation plate with toothed trowel (10 mm or 12 mm teeth) if the surface coated in plaster and smooth.

* Plastered surfaces to be coated are not in the gauge in that case adhesive is applied on the edges and the middle of the thermal insulation plate surface in the form of point block.

* Do not apply below 5 ° C at ambient temperature.

* If the coated surface is not plastered then adhesive is applied on the thermal insulation plate surface with a steel trowel in point block and each side (5 mm inside from the edges of the plate) 40% of the insulation plate should be coated with the adhesive.

*Adhesive mortar should not be used on side surfaces of plates during the application.

* Gauge and smooth surface of the thermal insulation plate are checked after adhesive application. If necessary, surface smoothness is done with sanding board.
* Mechanically connecting of the plates on application surface is made using plastic or steel nail dowels at the center of plates at least one day after the adhesive process
*One layer meshed plaster is done after plugging.

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Application Areas

Ceiling Use

* Adhesive is applied over full surface on the thermal insulation plate with toothed trowel (10 mm or 12 mm teeth) if the surface coated in plaster and smooth. Do not apply adhesive on side surfaces of plates.

*Position insulation plate with adhesive applied immediately on ceiling at interval of appr. 2 cm from adjacent plate. Press with palm of hand against ceiling surface and slide previously glued plate and pressed by 5 sec. Plate can be levelled with sanding board after setting.

* Do not apply below 5 ° C at ambient temperature

* Dowels does not used in the application of ceiling. Mechanical connection on the plate should be started at least 1 day after the bonding of insulation plate if needs mechanical connection on the plate in certain thicknesses.

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termoküp (Thermal insulating plate adhesive)

Application Areas:

Bonding of insulating plate to be used in the coating system for interior and exterior, concrete, brick and plastered surfaces.

	Termokup Adhesive
Dry density (kg/m³)	1310
Thermal conductivity (W/mK)	0,43
Flexural strength N/mm²	2,86
Compressive strength N/mm²	10,94
Adhesion to the substrate N/mm²	1,36
Sticking to the thermal insulation plate N/mm²	0,12

Application Information:

Application Temperature: (+5°C) - (+35°C)
Mixing Ratio: 5,5-6,5 lt water / 25 kg powder
Lifetime: 2 hours
Shelling time :20 min.
Average Consumption 4-5 kg/m²

Surface Preparation:

- Application surface must be cleaned of all contaminants,dust, dirt, oil, paint residues and similar decrease adherence.
- Application surface should be considered to have reached to final set.
- The surface must be repaired 3 days before if damaged and cracked.
- Application surface should be moistened.

Preparation of Mixture:

Product is slowly added into 5.5 to 6.5 liters of water. Adhesive is mixed with trowel or a low speed mixer until obtaining a homogeneous mixture.
5 minutes waiting time for mortar and mortar is made ready for use by mixing again.

- Mixture should be used within a maximum 2 hours and mixture should be stirred occasionally and also hardened and expired mortar should not be used.

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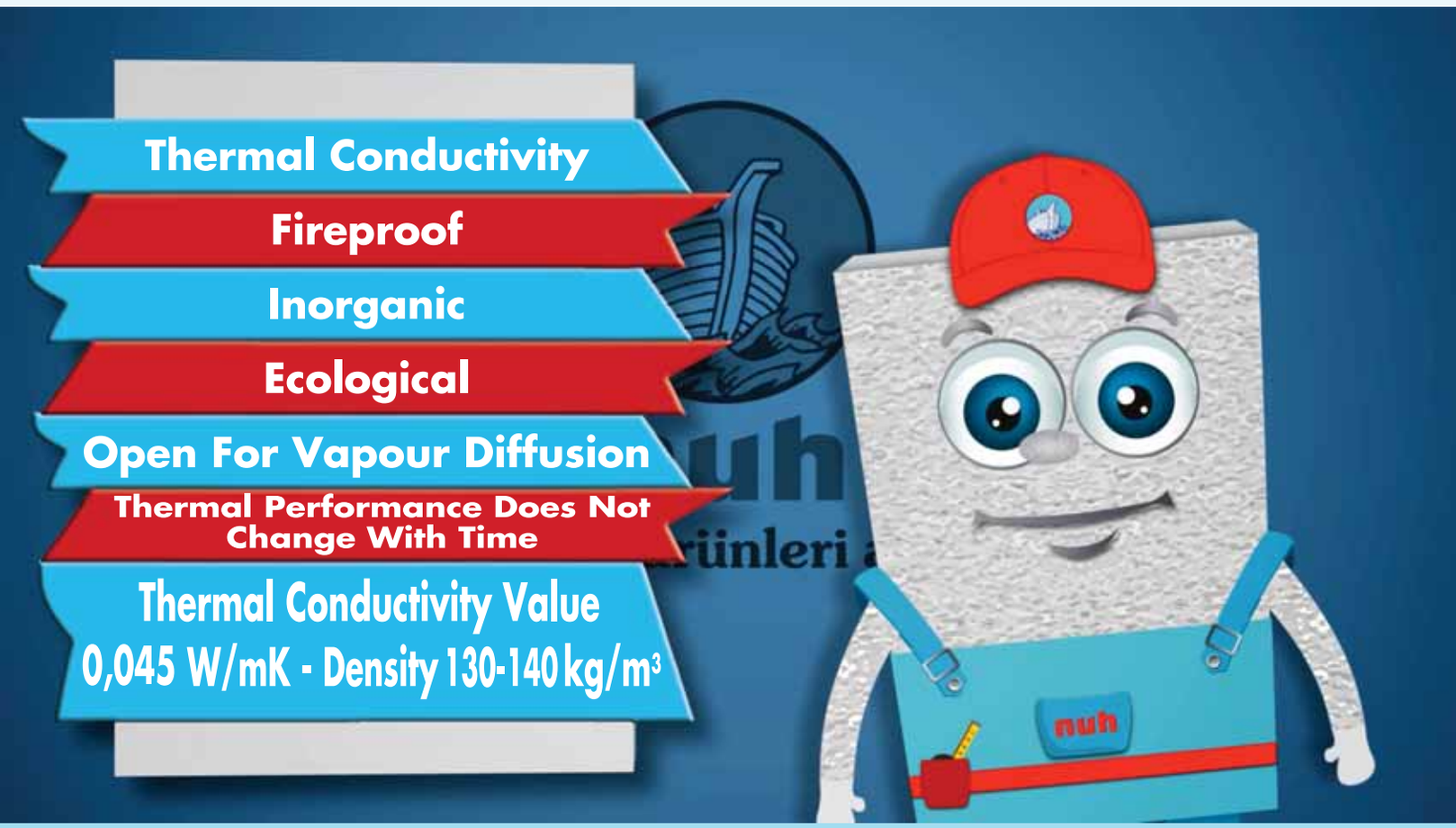

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Hacı Akif Mh. Nuh Çimento Cad. No:28
Hereke 41800 Körfez - KOCAELİ / TURKEY
Tel : +90 (262) 511 55 20
Fax: +90 (262) 511 51 82

www.nuhyapi.com.tr | nuhyapi@nuhyapi.com.tr

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