

CERMITHERM CT500

CEMENT BASED THERMAL INSULATION BOARD ADHESIVE



Gray



- *Resistant to thermal shocks and humidity*
- *High adhesion strength and performance*
- *Suitable for use on all types of thermal insulation boards*

PRODUCT INFORMATION

WHERE TO USE

• Thermal insulation panels on interior and exterior facades, (CT ROCKWOOL, CT XPS, CT EPS, CT LAMPDOPOR) as adhesive suitable for use.

GENERAL FEATURES

Material Structure : High quality cement, elasticity and water impermeability superior adhesion with additives contains auxiliary ingredients.

Color : Gray

Density : 1,4 gr/cm³

Mixture Density : 1,7 gr/cm³

TECHNICAL CHARACTERISTICS

On thermal insulation board;
Adhesion strength (EN 13494): ≥ 0.08 (N/mm²)

STANDARDS AND DOCUMENTS

- Tested according to EN 13566 standard.
- Public Works pose no. 10.300.1013

CONSUMPTION

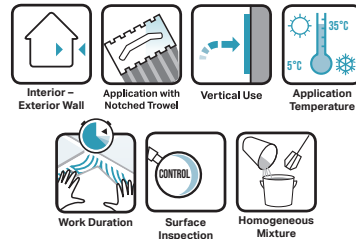
- LAMPDOPOR, 4-5 kg/m² in XPS and EPS sheets
- 5-6 kg/m² in rockwool boards

PACKAGING

- 25 kg kraft bag

STORAGE

- Maximum 10 kraft bags can be stacked on top of each other.
- Moisture-free, dry and protected against external weather conditions should be stocked in warehouses.
- Shelf life is 1 year under appropriate storage conditions.
- Opened packages should be kept tightly closed.



APPLICATION

APPLICATION PROCEDURE

Application Thickness (for Notching): 3-8 mm

Application Temperature: (+5 °C) - (+35 °C)

Service Temperature: (-20 °C) - (+80 °C)

Rest Time: 5 minutes

Pot Life: 2-3 hours

Full Drying Time: 28 days

SUBSTRATE PREPARATION

- The floor surface to be applied must be clean, free of dirt, must be free from dust.
- Surface plaster applied on thermal insulation boards must be plugged in.

APPLICATION

- 5.5-6.5 liters (22-26%) clean to 25 kg **CERMITHERM CT500** slowly add water and mix with a low speed mixer until the mixture is homogenous and free of lumps.
- Allow the mixture to rest for 5 minutes before application and apply after mixing again.
- If the application surface is smooth, spread **CERMITHERM CT 500** on the thermal insulation board with the flat side of the toothed steel trowel and then comb it with the toothed side.
- If there are elevation differences on the application surface, the thermal insulation board should be adhered with the point adhesion method. In this method, along the four edges of the thermal insulation board, adhesive should be applied, and dot adhesive should also be applied to the center and corner areas of the board.
- The height of the adhesive on the edges and in the center should be the same.
- Before the insulation board is glued, the back surface must be at least 40% should be covered with **CERMITHERM CT 500**.
- Adhesive for joints to prevent heat loss must not be overflowed.
- Mechanical doweling must be completed min. 24-48 should be done after hours.



RECOMMENDATIONS

- After application, the surface should be protected from contact with water for at least 24 hours.
- Do not apply on surfaces that are in danger of frost or overheated, under direct sun and in high winds.
- Do not apply on newly plastered or concrete surfaces before the curing time is completed.
- To prevent heat loss, the thermal insulation boards should be well should be placed in close proximity and joint gaps should be as little as possible.
- Product storage conditions must be complied with, damp and waterlogged products should not be stocked in warehouses.

SAFETY INSTRUCTIONS

- Should not be inhaled as it is cement based. Skin and eyes contact should be avoided.
- Use appropriate work equipment during product application. (gloves, goggles, mask, knee pads, etc.) are recommended is provided.
- For more detailed safety information please refer to Material Read the Safety Data Sheet (MSDS).

Note: Technical values and application instructions are valid under ambient temperature of 23°C with relative humidity 50% and they are the results of our tests and experience in accordance with international standards. Our company is not responsible for any errors that may occur if the instructions and recommendations specified in the technical data sheets are not followed.

CERMIX

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Head Office
Koramic Yapı Kimyasalları San. Tic. A.Ş.
E-5 Karayolu Üzeri, Sıfı Mah. Hükümet Cad.
Tuzla 34941 İstanbul / TÜRKİYE
Phone: +90.216.423 34 33 • Fax: +90.216.423 53 63

Bozüyük Factory
Bozüyük Organize San. Böl. 10. Cad.
106 Ada / 5 Parsel No: 3 Bozüyük - BİLEÇİK / TÜRKİYE
Phone: +90.228.314 63 00
Fax: +90.228.314 63 0

Tarsus Factory
Huzurkent Tarsus Organize Sanayi Bölgesi
13. Cadde No: 10 Tarsus - MERSİN / TÜRKİYE
Phone: +90.324.676 40 41-676 42 32-676 44 49
Fax: +90.324.676 40 47