

# CERMITHERM CT600

## CEMENT BASED, SURFACE CORRECTION PLASTER USED IN THERMAL INSULATION BOARD



Gray



- *Easy to apply*
- *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** :  $1,3 \pm 0,1 \text{ gr/cm}^3$

**Mixture Density** :  $1,8 \pm 0,1 \text{ gr/cm}^3$

### TECHNICAL CHARACTERISTICS

**Water Absorption (1015-18)**:  $<0.5 \text{ kg/m}^2 \cdot \text{h}^{0.5}$

**Water Vapor Permeability Coefficient**

(TSE EN 1015-19):  $\leq 15\mu$

**Flexural Strength-28 days (Mpa)**:  $\geq 2.0 \text{ N/mm}^2$

**Compressive Strength- 28 days (Mpa)**:  $\geq 6.0 \text{ N/mm}^2$

**Hollow specific bulk gravity of hardened cement based mortar(TS EN 1015 - 10)**:  $1400 \pm 300 \text{ kg/m}^3$

**Adhesion Strength (EN 13494)**:  $\geq 0.08 \text{ N/mm}^2$

### STANDARDS AND DOCUMENTS

- Tested according to EN 13687 standard.
- Public Works pose no. 10.330.2505

### CONSUMPTION

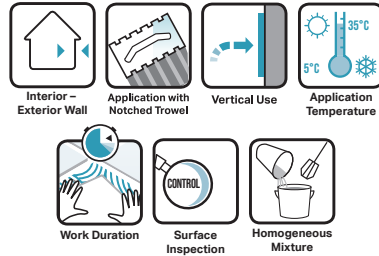
- LAMPDOPOR, 4-5 kg/m<sup>2</sup> in XPS and EPS sheets
- 5-6 kg/m<sup>2</sup> in rockwool boards

### 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):** min. 3-4 mm  
**Application Temperature:** (+5 °C) - (+35 °C)  
**Service Temperature:** (-20 °C) - (+80 °C)  
**Rest Time:** 5 minutes  
**Pot Life:** 2 hours  
**Full Drying Time:** 28 days

### SUBSTRATE PREPARATION

- The thermal insulation board to be applied is well adhered to the surface, must be smooth and solid.
- The plastering process must be carried out at least 1t should be started after 24 hours.
- Gaps between the installed thermal insulation boards should be filled with the same insulating material or foam.

### APPLICATION

- Slowly add 6-6,5 liters (%24-26) of clean water to 25 kg of **CERMITHERM CT600** and mix with a low speed mixer until the mixture is homogeneous and without lumps.
- Allow the mixture to rest for 5 minutes before application and apply after mixing again.
- CERMITHERM CT 600** is applied on thermal insulation boards with a steel trowel.
- The plaster reinforcement mesh is embedded into the first layer of **CERMITHERM CT600** with the help of a steel trowel while the plaster mortar is still fresh.
- In order to prevent the formation of cracks, plaster nets are applied with an overlap of approximately 10 cm at the joints.
- At corners, window-door edges and critical details, plaster reinforcement mesh should be rotated at least 15-20 cm overlapping.
- At door, window and cavity corners, reinforcing mesh pieces of minimum 20x60cm size should be placed diagonally.
- After 3-5 hours, the 2nd layer of **CERMITHERM CT 600** surface plaster is applied.
- The applied plaster thickness should be minimum 3-4mm in two coats.
- Textured top coat coating material application is applied after the 2nd coat plaster is completely dry (min. 7 days).



### 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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