

EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS

CERMITHERM CT 700

*Cement based decorative final coating*

- Used as decorative final coating render on external thermal insulation composite systems and façades
- High flexibility and resistance to frost, moisture and thermal shocks
- Easy and quick application with high performance
- White coloured
- Available in 25 kg craft bags

DESCRIPTION

• Cement based easy to use decorative final coating render which is applied on external thermal insulation composite systems and façades. It has easy and crackles application with high performance, and resistant to thermal shocks and moisture.

REFERENCE STANDARD

- TS EN 13499

APPLICATION SURFACES

• Fine textured topcoat is used on the External Thermal Insulation Composite Systems.

TECHNICAL FEATURES

Material content	High quality cement, additives providing flexibility and improved adhesion.
Colour	White
Density	1,4 gr/cm ³
Shell life	When stored unopened in a cool, dry place, shell life is 1 year from manufacturing date.

TECHNICAL PERFORMANCE*

Tensile strength on insulation boards under normal conditions (EN 13494)	≥ 0,08 (Nt/mm ²)
Resistance to penetration (TS EN 13498:2005)	> 200 (Nt/mm ²)
Resistance to impact (TS EN 13497:2004)	12 (Nt/mm ²)

APPLICATION CONDITIONS

Application thickness	1,50-2,00 mm
Application temperature of the surface	(+5°C) - (+35°C)
Service temperature	(-20°C) - (+80°C)
Rest time	5 minutes
Open time	30 minutes
Pot life	2 hours
Final set time	28 days
Mixture Density	~1,80 kg/liter

* The performance values at listed above measured at +23 °C, 50% relative humidity.

SURFACE PREPARATION of THE INSULATION BOARD

- The application surface should be free from dust, dirt; oil etc should be smooth and stable
- Application should be started after the application surface's set time.



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MIXING

- Gradually add 6-7 liter (24-28%) of clean water to 25 kg of **CERMITHERM CT 700**, and mix to a smooth and homogenous paste. It is recommended to use a low cycled (350 cycle/minute) (mix. 3-5 minutes) electrical drill-mixer for mixing.
- The paste should be in a consistence such that it does not flow when handled with a trowel.
- The paste should rest for 5 minutes prior to application and should be applied after remixing.



APPLICATION

- **CERMITHERM CT 700** decorative final coating render is applied over **CERMITHERM CT 600** with a steel trowel.
- Use a plastic trowel in circular (or vertical or horizontal among demand) movements for a decorative finishing in max. 10 minutes after application.
- Surface must be damped before application and saturated with water when the weather is very hot or windy.
- Consult the technical service for more details.

PRECAUTIONS

- If any roundish and lump or hard particles are observed in a new opened bag, do not use the product.
- Do not add water into the mixture once the mixture is prepared.
- Top coat should be applied after **CERMITHERM CT 600** completely dries.
- Staining and waves can be observed during drying of **CERMITHERM CT 700** and alike mineral coatings according to weather conditions.
- Acrylic or silicone based paint should be applied after the set time of **CERMITHERM CT 700**.
- Cracks should be fixed and smoothed at surfaces without external thermal insulation composite systems.
- Mortar should be used within 2 hours.
- Application on hot surfaces and during sunny and/or windy weather is not recommended.
- Surface must be damped before application with hot and windy weather.
- There is a risk of moire at the rapidly changing weather conditions, application should be done in stable weather conditions.
- Be sure that the surface must be dry before application of paint.

COVERAGE

Application Thickness	Consumption
1,50-2,00 mm	2,80-3,00 kg/m ²

* The consumption (kg/m²) may vary depending on the application surface and material type.

PACKAGING

- Craft sacks of 25 kg (48 sacks / 1200 kg on a pallet).

CLEANING of APPLICATION TOOLS

- After applications; tools and equipments should be cleaning with water. Dried mortars should be cleaned by mechanical methods.

STORAGE

- The products should not be stored in damped or submerged warehouses and the place should have no risk of freezing.
- Maximum 3 pallets should be over laid for short term storage.
- Maximum 10 craft sacks should be overlaid for storage.

HEALTH AND SAFETY

- Irritating to eyes and skin due to cement content. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Wear suitable protective clothing, gloves and eyes/face protection.
- The product should not be inhaled. Dust mask should be used if necessary.
- Keep the product out of the reach of children.
- Consult your doctor when hazardous situation occurs.
- **R37/38**: Irritating to respiratory system and skin.
- **R41**: Risk of serious damage to eyes.
- **R43**: May cause sensitisation by skin contact.
- **S2**: Keep out of the reach of children.
- **S22**: Do not breathe dust.
- **S24/25**: Avoid contact with skin and eyes.
- **S26**: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **S37/39**: Water suitable gloves and eye/face protection.
- **S46**: If swallowed, seek medical advice immediately and show this container or label.
- For more information, please read the material safety form.

RESPONSIBILITY

All recommendations and instructions on the technical sheet are generally based on our experiences. Please contact us for applications on special surfaces not mentioned in the technical sheet. Problems caused by incorrect useages except practice recommendations Koramic Building Chemicals is not responsible.

