

EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS

CERMITHERM CT 550



Acrylic dispersion based ready mixed adhesive

- Used to fix thermal insulation boards (CT ROCKWOOL, CT EPS, CT LAMPDOPOR and CT XPS) onto external facade.
- High flexibility and resistance to thermal shocks.
- Easy and quick application with high performance.
- White coloured.
- Available in 15 kg plastic can.

DESCRIPTION

• **CERMITHERM CT 550**, flexible adhesive with improved adhesion for fixing all kinds of thermal insulation boards (CT ROCKWOOL, CT EPS, CT LAMPDOPOR and CT XPS) onto external facades. It is excellent particularly for fixing on wood, gypsum and alike surfaces. It is non-slip by its tixotropic feature. It has easy and quick application with high performance.

REFERENCE STANDARD

- TS EN 13499

TECHNICAL FEATURES

Material content	High quality acrylic dispersion with additives providing flexibility and improved adhesion.
Colour	White
Density	1,85 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 concrete surface (EN 13494)	≥ 0,25 MPa (N/mm ²)
Tensile strength on insulation board	≥ 0,08 MPa (N/mm ²)

APPLICATION CONDITIONS

Application thickness (for notching)	3-8 mm
Application surface temperature	(+5 °C) - (+35 °C)
Service temperature	(-30 °C) - (+70 °C)
Adjustment time	20 minutes
Set time	14 days (related with weather and surface conditions)
Pot life	3 hours

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

SURFACE PREPARATION

- Ensure that substrate is mature, sound, stable and smooth, and not to dry or wet.
- Do not apply on new rendered or concrete surfaces before 28 days set time.
- Horizontal and vertical smoothness of applications surface should be checked by a string.

MIXING

- **CERMITHERM CT 550** is ready mixed. Do not add anything.

APPLICATION

- **CERMITHERM CT 550** is applied on the thermal insulation board and combed with a suitably sized (V5-V6) notched trowel in straight ribs.
- Board should be covered with **CERMITHERM CT 550** completely.
- Adhesive should not be leaked into joints in order to avoid thermal bridges.
- The level of the boards should be checked with wide surfaced gauge after fixing.



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- Mechanical fixing anchors should be applied minimum 24-48 hours after **CERMITHERM CT 550** application.
- Consult the technical service for more details.

PRECAUTIONS

- If hard particles are observed in a new opened can, do not use the product.
- Do not add anything to ready mixture.
- Do not add water into the mixture once the mixture is prepared.
- Do not store in damped or submerged ware houses.
- Do not apply the adhesive directly to metal, plastic or PVC. Please consult technical service for solutions.
- Do not apply on new rendered surfaces.
- In order to avoid thermal loss, the thermal insulation boards should be placed as close as possible and joint gaps should be as small as possible.

COVERAGE

CT XPS, CT LAMPDOPOR, CT EPS	CT ROCKWOOL
~3-4 kg/m ²	~4-5 kg/m ²

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

PACKAGING

- 15 kg plastic cans. (48 cans for a pallet, 720 kg)

CLEANING OF APPLICATION TOOLS

- After application; tools&equipment should be cleaned 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.

HEALTH AND SAFETY

- Irritating to eyes and skin due to acrylic 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.
- Keep the product out of the reach of children.
- Consult your doctor when hazardous situation occurs.
- 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.