NESCOAT® ORGANIC THERMAFIX
Thermal Insulation Board Adhesive Mortar

DESCRIPTION
NESCOAT® ORGANIC THERMAFIX is a ready-to-use adhesive mortar based on acrylic resin, specifically designed for bonding thermal insulation boards.

APPLICATION AREAS
It is used for bonding XPS, EPS, and Rockwool thermal insulation boards to surfaces such as bare concrete, plastered and existing painted surfaces, bricks, and aerated concrete.

ADVANTAGES
- High-performance adhesive mortar.
- Excellent adhesion even on wooden surfaces.
- Provides strong adhesion of thermal insulation boards to the surface.
- Durable and long-lasting solution.
- Easy and practical to apply.

SURFACE PREPARATION
The substrate must be even, clean, dry, and strong enough to support the application. The surface must be free from substances like dirt and dust that could hinder adhesion. Any significant cracks and imperfections should be repaired and leveled using NESCOAT repair mortars. Absorbent surfaces, such as Terasit coatings, should be primed with **NESCOAT®PRIMECOAT** coating primer before application.

MORTAR PREPARATION
NESCOAT® ORGANIC THERMAFIX is ready to use and only needs to be mixed to achieve a uniform consistency. In hot weather, a small amount of water may be added if necessary. The prepared mortar should be used within 2 hours. Do not add water or product to the hardened material.

APPLICATION
Two methods of application are recommended:

1. **For uneven substrates:** Apply the mortar in 4-5 cm wide strips around the edges of the board to form a frame, and place three dabs of mortar in the center at equal distances. Adjust the thickness of the adhesive according to the substrate's evenness.

2. **For even substrates:** Apply the mortar to the board surface with a notched steel trowel and comb it. Do not apply adhesive to the board edges.
   Place the prepared board onto the surface with light pressure. Installation should proceed from bottom to top and side by side. Boards should be staggered to prevent overlapping joints. Ensure no gaps are left; if any gaps occur, fill them with appropriately cut material from the same board.
   After application, wash hands and tools thoroughly with plenty of water.

DRYING TIME
- Surface drying time: 1 day at 23 °C and 50% relative humidity. Full drying time: 3 days.
- Drying time decreases at higher temperatures and increases at lower temperatures.

CONSUMPTION
- In EPS and XPS thermal insulation systems: 4.0 kg/m²
- In Rockwool thermal insulation systems: 4.5 kg/m²
  The specified consumption amounts may vary depending on the surface and application conditions. A sample application is recommended for accurate consumption measurement.

WARNINGS AND RECOMMENDATIONS

- During application, the ambient temperature and surface temperature should be between +5°C and +35°C.
- After application, the product should be protected from rain or any other causes of wetness until it dries.
- Do not apply the product if freezing conditions are expected within 3 days following the application.
- In cold weather, the adhesive should be allowed to dry completely for at least 3 days before anchoring. Otherwise, the mortar may separate from the surface due to the vibration effect created by the drill during anchoring.

STORAGE AND SHELF LIFE

- The product should be protected from rain, moisture, intense sunlight, and frost.
- Do not stack more than 4 buckets on top of each other.
- The shelf life is 12 months from the date of manufacture under proper storage conditions.
- Once opened, containers should be tightly sealed when not in use.

PACKAGING

25 kg plastic bucket

SAFETY RULES

- Appropriate protective equipment (clothing, gloves, goggles, mask) should be used during application.
- In case of contact with the skin, the affected area should be washed with plenty of water.
- For more detailed information, please refer to the Material Safety Data Sheet (MSDS).

QUALITY CERTIFICATES

- Complies with the ISO 9001:2015 quality management standard.

TECHNICAL SPECIFICATIONS

Feature	Value
Appearance	**White Paste**
Adhesion Strength to the Substrate	**≥ 0,5 N/mm²**
Adhesion Strength to Thermal Insulation Board	**≥ 0,08 N/mm²**
Water Absorption (After 30 Minutes)	**≤ 5**

***The values mentioned above are valid for +23°C and 50% relative humidity.**

LEGAL DISCLAIMER

The information in this document has been prepared based on NESCAOT's laboratory tests and field experience. NESCAOT is not responsible for any adverse outcomes resulting from the use of the product outside of its intended purpose or failure to comply with the conditions stated above.