

TERMOKIR PL 170

Adhesive-plaster for polystyrene and rock wool boards



Color

White

Packaging and Weight

Bag, 25 kg

Number of Bags per Pallet

84 units



Standards and Certifications

Green Label certified.

Property and main uses

- For bonding polystyrene boards to concrete or block walls.
- For bonding rock wool boards to concrete or block walls.
- Serves as a base layer for plaster systems.
- For internal and external application
- Mixture ready to use, just add water.

Product Composition

Cement, graded aggregates, resins, and special additives.

Typical Consumption

Approximately 1.4 kg/m² at 1 mm thickness. Consumption may vary depending on substrate conditions and application method.



a diamond mark company

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Background and Substrate

- Concrete, concrete block, aerated concrete block, pumice block, and ceramic block.
- One day before application: Wash the surface with water to remove dust, salts, oils, or any factors that may cause an execution failure.
- When using extruded polystyrene (XPS) boards, apply SAKRET PR 007 primer to the boards before using TERMOKIR PL 170.

Technical Data

Working time	About an hour
Tensile Adhesion Strength After 28 days in laboratory conditions	More than 1.0 MPa
Compressive Strength after 28 days in laboratory conditions	More than 10 MPa
The adhesive bond strength to the boards exceeds the tensile strength of the boards themselves.	

*Data refers to laboratory conditions at 23°C ± 2°C and 50% ± 5% relative humidity

Application

Mixture preparation

- Pour 6.0–6.5 liters of clean water into a suitable container that is free of any material residues, according to the type and speed of the electric mixer.
- Gradually add the entire contents of the bag and mix until a smooth, fine, lump-free paste is obtained.
- After waiting for about 5 minutes, mix again briefly.
- At this stage, the material is ready for use.

Despite the values above, water quantity may vary. In any case, ensure the pot life level is appropriate for the product.

It is recommended to consult with the technical department.

Method of application

a. Bonding the Boards

- Clean the boards of dust and sunburn marks using a hard-bristle brush.
- Apply a thin and compacted layer of the mixture using a smooth trowel.
- Immediately apply a second layer onto the fresh mixture using a notched trowel, spreading it in a crosswise pattern.
- Immediately install the boards by pressing them firmly onto the substrate.
- Where wall leveling is required, apply a single compacted layer on the substrate at 2–3 mm thickness, then apply an additional layer along the perimeter of the board and at central points to the required thickness. Immediately afterward, install the boards while pressing them firmly against the substrate.



b. Base Layer for Plaster Systems

- Apply a thin and compacted layer of the mixture using a smooth trowel.
- Immediately apply a second layer onto the fresh mixture using a notched trowel, spreading it in a crosswise pattern.
- Embed fiberglass mesh into the fresh mix and smooth the surface afterward.

Curing

Begin curing the day after completion of the work, by moistening the layer with water for 3 consecutive days, 3 times a day. In areas with rapid drying, begin curing on the same day as application.

General instructions

- Store the product in a shaded, well-ventilated area.
- The material is suitable for use up to 9 months from the production date, provided it is stored in its original packaging under recommended conditions.
- Storage alongside gypsum-containing materials/products is strictly prohibited.
- Permitted application temperature range: 5°C - 35°C.
- This product must not be applied in systems containing gypsum-based materials without prior consultation with company representatives.
- Working time may vary depending on environmental conditions at the time of application.
- Do not apply under extreme climatic conditions (dry heatwave, rain, winds).
- Dried mixture must not be reused.
- Ensure compliance with relevant standards.
- Before starting work, the company's representative must be summoned for on-site guidance.
- Since the material is alkaline, proper protection for skin and eyes is required. In case of contact, rinse immediately with running water.

Warning

It is strictly prohibited to touch and/or add other materials, including gypsum and/or gypsum-containing products, to this product.



Warranty

The company's liability is limited to the quality and integrity of the materials only and does not replace the worker's responsibility. The worker must check the product and system's suitability for their needs, compatibility with other materials, and proper execution of the work. We reserve the right to update or change the data and recommendations without advance notice. The worker is responsible for checking the latest updates.

Translation Disclaimer

This product information has been translated from Hebrew to English for convenience only. In case of any discrepancy between the English translation and the original Hebrew language, the Hebrew version shall prevail. Therefore, we recommend relying solely on the information written in Hebrew! Furthermore, before using any product, you should consult the technical department for prior advice and support during use. The company accepts no responsibility for any damage or loss resulting from failure to comply with these instructions.

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