

TERMOKIR PL100

Basic plaster layer



Color
Gray
Packaging and Weight
Bag, 25 kg
Number of Bags per Pallet
84 units



Standards and Certifications

Awarded standard mark of SI 1920 for cement based plaster

Complies with the requirements of Israeli Standard 1414 for thermal plaster systems.

Green Label certified.

Product has undergone Life Cycle Analysis (LCA).

Holds a verified Environmental Product Declaration (EPD).

Property and main uses

- For plaster systems in standard and marine environments.
- Suitable for residential buildings, industrial structures, public buildings, and offices.
- For concrete substrates, concrete block, aerated concrete block, pumice block, and silicate block.
- Seals and prevents water penetration.
- For internal and external application
- Mixture ready to use, just add water.

Product Composition

Cement, graded aggregates, resins, and special additives.

Typical Consumption

Approximately 8 kg/m² at 5 mm thickness. Consumption may vary depending on substrate conditions and application method.





Background and Substrate

- Concrete, concrete block, aerated concrete block, pumice block, and silicate block.
- One day before application: wash the surface with water to remove dust, salts, oils, or any factors that may cause an execution failure.

Technical Data

Working time	About an hour
Capillary Absorption Coefficient	$K < 0.4 \text{ Kg/m}^2\text{h}^{0.5}$
Tensile Adhesion Strength after 28 days in laboratory conditions	More than 0.5 MPa
Compressive Strength after 28 days in laboratory conditions	More than 8.0 MPa
Restrained Shrinkage	No cracks in the ring
Water Vapor Transmission Resistance	Less than 15

*Data refers to laboratory conditions at $23^\circ\text{C} \pm 2^\circ\text{C}$ and $50\% \pm 5\%$ relative humidity.

Application

Mixture preparation

- Pour approximately 5.0 liters of clean water into a suitable and clean container, free of 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

- Apply a thin and compacted layer onto the substrate using a smooth trowel, and immediately follow with an additional layer until the required thickness is achieved.
- Application thickness: 5-8 mm.



Curing

The next layer in the system should ideally be applied the following day and no later than one week after the primer application. If the next layer is not applied within 24 hours, curing must be performed starting the day after completion of the material, 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 weather conditions (heatwaves, rain, strong winds).
- Dried mixture must not be reused.
- Ensure compliance with relevant standards.
- Before performing the work, call the company representative to receive on-site guidelines.
- 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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