

TERMOKIR PL 180

Smoothing layer for concrete and plaster



Color

Natural white

Packaging and Weight

Bag, 25 kg

Number of Bags per Pallet

84 units



Standards and Certifications

Meets the requirements of Israeli Standard 1920 for cement plaster

Green Label certified

The product has undergone Life Cycle Analysis (LCA).

It holds a verified Environmental Product Declaration (EPD).

Property and main uses

- For smoothing concrete walls, concrete blocks, aerated concrete blocks, pumice blocks, and silicate blocks.
- Serves as a final layer for plaster.
- Serves as a preparation layer for paint.
- Breathable—allows water vapor transmission.
- Prevents water penetration.
- Suitable for indoor and outdoor use.
- Mixture ready to use, just add water.

Product Composition

Cement, graded aggregates, resins, and special additives.

Typical Consumption

Approximately 1.3 kg/m² at 1 mm thickness. Consumption may vary depending on substrate conditions and application method.

Background and Substrate

- Plaster, concrete, concrete blocks, aerated concrete blocks, pumice blocks, and silicate blocks.
- 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	$K < 1.0 \text{ Kg/m}^2\text{h}^{0.5}$
Tensile Adhesion Strength after 28 days in laboratory conditions	More than 0.3 MPa
Compressive Strength after 28 days in laboratory conditions	More than 3.0 MPa
Free Shrinkage	Less than 0.5 mm per meter

*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 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

- Apply a thin, compacted layer to the substrate using a smooth trowel, at the required thickness to cover the surface. After full drying, apply an additional layer and smooth using a damp sponge and smooth trowel.
- Total application thickness: 3-10 mm.

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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