



SAKRET CR 082

Cementitious filling material for R3 repair



Color

Gray

Packaging and Weight

Bag, 25 kg

Number of Sacks per Pallet

84



Standards and Certifications

Complies with the requirements of EN 1504 for products and systems for concrete repair.

Complies with the requirements of Israeli Standard 118 for concrete.

Work must comply with the guidelines of Israeli Standard 1877.

Green Label certified.

Product has undergone Life Cycle Analysis (LCA).

Holds a verified Environmental Product Declaration (EPD).

Properties and Main Uses

- For application in structures designated for repair.
- Suitable for walls, floors, and ceilings.
- Non-shrinking.
- Inhibits Corrosion.
- Highly resistant in marine environments.
- Easy and convenient to use.
- Layer thickness: 5-70 mm.
- For both interior and exterior use.
- Ready-mix requires only the addition of water.

Material Composition

Cement, graded aggregates, inhibitor (corrosion inhibitor), resins, and special additives.



Typical Consumption

Approximately 1.6 kg/m² at 1 mm thickness. Consumption may vary based on substrate conditions and application method.

Technical Data

Workability Time	About 30 minutes
Classification	R3
Chloride content	Less than 0.05%
Tensile Adhesion Strength after 28 Days	Greater than 1.5 MPa
Compressive Strength	
After one day	Greater than 10 MPa
After 7 days	Greater than 20 MPa
After 28 days	Greater than 30 MPa
Flexural Strength	
After 7 days	Greater than 4.0 MPa
After 28 days	Greater than 5.0 MPa

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

Application Method

Preparations

- Before applying "SAKRET CR 082", thoroughly clean the designated work area, removing dust, loose particles, and any other elements that may cause execution failure.

Preparing the Mixture

- Pour 4.5–5.0 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 workability level is appropriate for the product.

It is recommended to consult with the technical department.

Execution Method

- Apply "SAKRET CR 082" using a suitable tool, in a thin and compacted layer, over the reinforcement bars and concrete previously coated with "SAKRET CR 080" throughout the treated area.
- Immediately afterward, add material until the required thickness is achieved.



- After partial drying (“dry to the touch”), smooth the layer using a suitable tool until a uniform texture is achieved.
- Layer thickness: 5-70 mm.
- The product can be applied using the conventional manual method or with a suitable plastering machine.
- If necessary, leave a 2-3 mm gap from the wall surface for the finishing layer.

Curing

It is recommended to apply the next layer in the system on the following day. If the next layer is not applied within 24 hours, curing must be performed starting the day after completion of the material, for three consecutive days, three times a day.

In areas where drying occurs rapidly, curing should begin on the day of application.

General Guidelines

- 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.
- For application in structures suitable for concrete rehabilitation.
- “SAKRET CR 082” is the second layer in the system, which includes the product “SAKRET CR 080” and “SAKRET CR 088”.
- Work must be executed in accordance with the Termokir specification for the concrete rehabilitation system.
- This product must not be applied in systems containing gypsum-based materials without prior consultation with company representatives.
- Workability time may vary with the ambient conditions prevailing during 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 a company representatives for getting 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 add other materials, including gypsum and/or gypsum-containing products, to this product.

Warranty

The company's responsibility is limited to the standard and quality of materials only and does not supersede the operator's responsibility. The worker must verify that the product and system are suitable for their specific needs, compatible with other materials the product may come into contact with, and appropriate for 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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