



SAKRET AD 613 GEL

Cement Adhesive for Large Tiles



Classification

C2TE S1

Color

White

Package Type and Weight

Bag, 25 kg

Number of Sacks per Pallet

72 units per pallet



Standards and Certifications:

Complies with the requirements of Israeli Standard 4004.

Work must be conducted according to Israeli Standard 789 for permissible construction deviations.

Green Label certified.

Product has undergone Life Cycle Analysis (LCA).

Holds a verified Environmental Product Declaration (EPD).

Main Properties and Uses

- Manufactured using unique GEL technology.
- High workability, allowing uniform adhesive distribution.
- Non-slipping adhesive, especially for large tile sizes.
- Extended "open time".
- Suitable for porcelain tile bonding.
- For internal applications.
- Pre-mixed; requires only water for preparation.

Material Composition

Cement, graded aggregates, resins, and special additives.

Typical Consumption



Approximately 1.20 kg/m² at 1 mm thickness. Consumption may vary depending on substrate conditions and application method.

Background and Substrate

- Concrete, concrete blocks, plaster, gypsum boards.
- One day before application, rinse the surface with water to remove dust, oil, salts, and any factors that may cause adhesion failure.

Technical Data

Workability Time	About an hour
Open Time	40 minutes
Transverse Deformation (Flexibility)	Greater than 2.5 mm

Tensile Adhesion Strength

After 28 Days (Lab Conditions)	Greater than 1.0 MPa
After 14 Days (Lab Conditions) + 14 Days in Oven	Greater than 1.0 MPa
After 7 Days (Lab Conditions) + 21 Days Submerged in Water	Greater than 1.0 MPa

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

Application Method

Preparing the Material

- Pour approximately 10.5 liters of clean water into a suitable and clean container, free of material residues.
- Gradually add the entire contents of the sack and mix with an electric mixer until a uniform, fine, lump-free paste is achieved.
- After waiting for about 5 minutes, mix again briefly.
- At this stage, the adhesive is ready for use.

The 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.

Tiling Application Method

- Apply a thin and compacted layer of adhesive onto the **substrate** using a smooth trowel.
- Immediately apply a second layer onto the fresh adhesive using a notched trowel, in a **horizontal direction**.
- Spread the adhesive at an approximate angle of 60° to the substrate. **To cement-based substrates: Use 10 mm tooth depth. To gypsum boards: Use 6 mm tooth depth.**
- Apply a thin and compacted layer of adhesive to the **back of the tile** using a smooth trowel.
- Immediately apply a second layer onto the fresh adhesive using a notched trowel, in a crosswise direction. 6 mm tooth depth.



- Press the tile into place and secure it using a rubber mallet.
- During installation, ensure the creation of joints according to relevant standards.
- Fill the joints at least one week after completion using SAKRET JF 930 (acrylic grout).
- For tiles larger than 1.2 x 1.2 meters and/or those with a mesh backing, contact the training department for proper specifications.

Flooring Application Method

- Apply a thin and compacted layer of adhesive onto the substrate using a smooth trowel.
- Immediately apply a second layer onto the fresh adhesive using a notched trowel.
- Spread the adhesive at an approximate angle of 60° to the substrate. 10 mm tooth depth.
- Apply a thin and compacted layer of adhesive to the back of the tile using a smooth trowel.
- Press the tile into place and secure it using a rubber mallet.
- During installation, ensure the creation of joints according to relevant standards.
- Fill the joints at least one week after completion using SAKRET JF 930 (acrylic grout).

Adhesion Coverage Inspection

- During tiling work, after pressing the tiles, check adhesion and adhesive coverage on the tile's back. The adhesive must cover at least 85% of the tile's surface. The first inspection should be conducted after setting the first tile.
- The above inspections provide a general assessment. All tests must comply with requirements and relevant standards.

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.
- Workability time may vary depending on environmental conditions at the time of application.
- For tiles larger than 1.2 x 1.2 meters and/or those with a mesh backing, contact the training department for proper specifications.
- Tiles must be bonded onto the combed adhesive while it is still fresh ('wet-on-wet').
- Do not wash adhered tiles with water or expose them to rain for at least 72 hours after application.
- Before starting work, consult company representatives for guidelines and technical specifications.
- 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 worker's responsibility. The worker must verify the product and system's suitability for their needs, its compatibility with other materials it comes into contact with, 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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Product Technical Data Sheet



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