

TECHNICAL DATA SHEET



SAKRET BK - ADHESION MORTAR FOR HEAT INSULATION PANELS

15 08 14

For adhesion of thermal insulation materials (foam polystyrene panels and mineral wool) on mineral surfaces.

- Application:**
- For adhesion of rock wool and foam polystyrene thermal insulation panels.
 - For interior and exterior works.
 - Can be applied manually or with mixer.

- Qualities:**
- High mechanical and climate resistance.
 - Grey color.

- Components:**
- Portland cement.
 - Inert fillers.
 - Technological additives.

Technical data:

Water to be added for 25 kg	Approximately 7,5 l
Readiness time	Approximately 3 minutes
Processing time	Approximately 2 hours
Air and surface temperature:	From +5°C till +25°C
Adhesion between foundation and adhesive (after 28 day/nights):	$\geq 0,25 \text{ N/mm}^2$
Maximum grain size:	till 1,0 mm
From 25 kg of dry mixture	approximately 20,7 liter mortar can be made
Fire safety class	A1 (nonflammable)

- Foundation preparation:**
- Foundation must be dry, firm and without cracks. Surface must be cleaned off less enduring and/or detachable layers as well as off dust, dirt, oil, paint leftovers and other impurities that decrease adhesion.
 - Especially dense and smooth surfaces shall be processed with abrasive material.
 - Strongly absorbing mineral surfaces must be primed with primer **SAKRET BG** or concentrated primer diluted with water **SAKRET UG**, in proportion 1:3.

- Processing:**
- Mix dry material in clean container with cold, clear water till homogeneous mixture of needed consistency without lumps is formed.
 - The prepared mortar shall be kept for 3 minutes and mixed repeatedly.
 - If foundation is even, mortar is applied with toothed trowel (teeth size 20mm) on the whole surface of thermal insulation panel and glued to foundation.
 - If foundation is uneven, mortar is applied on the edges of the panels in thick layer (about 2 cm high and 5 cm wide) and put on 6 balls in the middle of the panel and glue to the foundation.
 - If thermal insulation panel is made of mineral wool, then it is first rubbed in the surface of the panel.

Additional recommendations for application:

- It is recommended to use mixer with 600 turns per minute.
- Material that has started to harden shall not be diluted with water!
- All works shall be done observing the regulations of adhesion work technology of thermal insulation materials!
- For reinforcement and plastering of glued panels, it is recommended to use reinforcement mortar **SAKRET BAK** (grey) or **SAKRET KAM** (white).
- For formation of adhesion layer **SAKRET BK** shall be applied on surface with toothed trowel. Plaster is easier to apply on already hardened mass.
- To achieve the highest thermal insulation results it is recommended to use materials that are certified in system ETICS **SAKRET EPS** (with foam polystyrene panels) or **ETICS SAKRET MW** (with mineral wool).

- Consumption:**
- Approximately 4-6 kg/m² of dry mixture.

- Packing:**
- Paper bags 25 kg / full pallet 48 pcs.
 - 10000-20000 kg / silo available / prior order.

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Storage:	<ul style="list-style-type: none">• Packing must be kept away from impact of weather conditions, store on wooden pallets in cool and dry place, torn or opened packing must be covered immediately.• Storage time in original not opened packing – 12 months.
Utilization:	<ul style="list-style-type: none">• Hardened mixture shall be utilized in compliance with local legislation as construction material of mineral origin.• Packing shall be utilized in compliance with local legislation demands as paper, laminated with polythene layer.
Safety information:	<ul style="list-style-type: none">• Contains cement, reacts on moisture in alkaline way!• Contains solvent, sixworthy chrome Cr (VI) ions $\leq 0,0002\%$.• Safety signs are on packing and in safety data sheets.
Additional information:	<ul style="list-style-type: none">• During hardening phase must be kept away of sun beams, draught, frost and too high temperature ($>+25^{\circ}\text{C}$).• Technical data refer to temperature $+23\pm 2^{\circ}\text{C}$ and relative air humidity $50\pm 5\%$.• Producer is indicated by letters after date: EST - OÜ SAKRET; LV - SIA SAKRET; LT - UAB SAKRET LT.

Paint	Packing 1	Packing 2	Barcode
Grey	25 kg	48 pcs. / pallet	4751006560048

The information provided in the technical data sheet refers to the usage of the above product, if there is no other technical documentation, prepared and issued by the producer. The producer is not responsible for losses caused by wrong usage of the given product. In case of questions or uncertainty, please contact producer or seller. Information on product's safety is available in safety data sheets, declared values – in declaration of performance.