



SAKRET BAK-F - REINFORCEMENT/ADHESION MORTAR FOR HEAT INSULATION PANELS

15 11 26

Allows to carry out thermal insulation works under decreased air temperatures.

- Application:**
- For reinforcement/ plastering of rock wool and foam polystyrene panels.
 - For adhesion of rock wool and foam polystyrene panels to mineral surfaces.
 - For processing in winter conditions, when air temperature has decreased not lower than 0°C. Note: after works are finished, but not earlier than after 8 hours, decrease of temperature up to -6°C, is acceptable. In case of prognosis that in nearest 3 nights temperature will decrease below -6°C, BAK-F must not be used.
 - Mortar can be used both for thermal insulation construction of new buildings and for thermal insulation works of buildings under renovation.
 - For interior and exterior works.
 - Can be applied manually or with mixer.

- Qualities:**
- Initial hardening time accelerated.
 - Polypropylene fiber is added to the mortar, that provides additional resistance against formation of micro cracks.
 - Grey color.

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

Technical data:	Water to be added for 25 kg	approximately 6,0 l
	Readiness time	approximately 5 minutes!
	Processing time	approximately 60 minutes
	Air and foundation temperature:	from 0°C till +20°C / foundation +2°C till +10°C
	Maximum grain size:	till 0,6 mm
	From 25 kg dry mixture	approximately 19 liters of mortar can be made
	Fire safety class	A1 (nonflammable)

- Foundation preparation:**
- Thermal insulation panels for reinforcement/ plastering must be firmly fastened, even, clean and dry.
 - Surface under thermal insulation panels 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, with filled gaps.
 - 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.



SAKRET BAK-F - REINFORCEMENT/ADHESION MORTAR FOR HEAT INSULATION PANELS

15 11 26

Processing:

- Mix dry material in clean container with cold, clear water till homogeneous mixture of needed consistency without lumps, is formed.
- If works are carried out in decreased air temperatures (0°C till 5°C), clear and warm water must be used to mix the material.
- The prepared mortar shall be kept for 5 minutes and mixed repeatedly.
- Mortar for reinforcement/ plastering shall be applied on thermal insulation panel in even layer (till 5 mm), pull through with toothed trowel (8 mm till 10 mm), process into the material reinforcement mesh, durable against alkali and level with even trowel so that the reinforcement mesh is fully covered with mortar.
- If thermal insulation panels are glued on even foundation, then mortar is applied with toothed trowel (tooth size 10 mm till 12 mm) on the whole surface of thermal insulation panel and glued to foundation.
- If foundation is uneven, then mortar is applied on the edges of the panels in thick lines (about 2 cm high and 5 cm wide) and put on 6 points in the middle of the panel and glued to the foundation.
- If the mortar is applied on mineral wool thermal insulation panel, then it is first rubbed in the surface of the panel. When mortar is applied, the panel must be put to the wall immediately and pressed.
- As the panel is pressed, correctly applied mortar covers approximately 40 – 100% of panel's surface.
- Panels must be fixed closely to each other and chess-type vertical seating arrangement must be formed.

Additional recommendations for processing:

- It is recommended to use mixer with 600 turns per minute.
- During thermal insulation works the scaffolding must be covered with protective covering – façade protection mesh SAKRET SN90 or reinforcement film (membrane)!
- The edges of the reinforcing mesh must overlap by 10 cm.
- The material that has started to harden must not be diluted with water!
- After facade thermal insulation panels are glued (approximately 4 days after adhesion in decreased air temperatures), the panels are fastened with fixings – 4 pieces on m². In places where facade is under larger wind loads, the number of fixings must be increased up to 6 pieces on m².
- All works shall be done observing the regulations of adhesion/ reinforcement work technology of thermal insulation materials!
- Hardened reinforced surfaces may be covered with decorative plaster SAKRET MRP E, SAKRET SBP (mineral plasters), SAKRET AP (acrylic), SAKRET SIP (silicone), SAKRET SIL (silicate), SAKRET SMS (silicone-silicate) and other decorative plasters.
- Before applying of decorative plaster, layer to be reinforced shall be primed with primer SAKRET PG.

Consumption:

- Approximately 5-7 kg/m² of dry mixture for reinforcement (layer thickness ~ 5 mm).
- Approximately 4-6 kg/m² of dry mixture for adhesion.

Packing:

- Paper bags 25 kg / full pallet 48 pcs.
- 1000 kg / big-bag packing / prior order
- 10000-20000 kg / silos available/ prior order

TECHNICAL DATA SHEET



SAKRET BAK-F - REINFORCEMENT/ADHESION MORTAR FOR HEAT INSULATION PANELS

15 11 26

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 – 6 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, six worthy 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 $+2^{\circ}\text{C}$ and relative air humidity 70%.• Producer is indicated by letters after date: EST - OÜ SAKRET; LV - SIA SAKRET; LT - UAB SAKRET LT.

Paint	Packing 1	Packing 2	Barcode
Grey	Universal 25 kg	48 pcs. / pallet	4751006563704

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.