

# TECHNICAL DATA SHEET



## SAKRET BF – CONCRETE FLOOR / CONCRETE WITH ANTIFROST ADDITIVE

16 11 07

For decking of concrete floor and for concrete works with anti-frost additive (strength class C25 in compliance with standard LVS EN 13813:2005L).

### Application:

- For work in low temperatures till  $-10^{\circ}\text{C}$ .
- For concrete floor decking (minimum layer thickness 40 mm).
- For making and repair of ferro-concrete constructions.
- For interior and exterior works.
- Especially suitable for small scale concrete works.
- Suitable for installation of heated floors.
- Can be processed manually or with mixer.

### Qualities:

- High mechanical and climate persistence.
- In grey colour.

### Components:

- Portland cement.
- Inert fillers.
- Technological additives.

### Technical data:

Water to be added to:	25 kg	approximately 2,5 l
Readiness time:	approx. 3 min.	
Processing time:	approx. 1 hour	
Work temperature:	from $-10^{\circ}\text{C}$ till $+25^{\circ}\text{C}$	
Compressive strength after 28 days	$\geq 25 \text{ N/mm}^2$	
Maximum grain size:	$\leq 12 \text{ mm}$	
From 25 kg dry mixture	approx. 12,5 litres of mortar can be made	
Fire safety class	A1 (non-flammable)	

### Foundation's preparation:

- Surface must be firm and dry, without cracks. Clean the foundation from less enduring and/or detachable layers as well as dirt, dust, oils, paint leftovers etc. that decrease adhesion.
- Especially dense and smooth surfaces must be treated with abrasive material.
- Very absorbing mineral surfaces must be primed with primer **SAKRET BG** or with concentrated primer **SAKRET UG**, diluted with water in proportion 1:3.

### Processing:

- Dry mixture must be mixed in clean container with warm, clear water until homogeneous mixture without lumps is obtained.
- After readiness time about 3 minutes, prepared mortar must be mixed again;
- For concrete floor decking, the prepared compound must be poured with layer thickness not less than 40 mm, it should be pressed and evened.
- For foundation concreting the compound must be poured into templates, pressed and evened.
- All works must be done observing concreting technology rules in low temperatures.

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<b>Additional recommendations for processing:</b>	<ul style="list-style-type: none"><li>• Anti-frost additives do not release from observing technology of works in low temperatures (in winter conditions)!</li><li>• Not absorbing or weakly absorbing templates shall be used; before concreting they shall be covered with template oil.</li><li>• Enough reinforcement protective layer shall be ensured, when using concrete in ferro-concrete constructions.</li><li>• In large surface area constructions deformation joints' intervals shall be observed.</li><li>• The temperature of the mixture during concreting works must be not less than +8°C.</li><li>• Material, that has started to harden, must not be diluted with water!</li></ul>
<b>Consumption:</b>	<ul style="list-style-type: none"><li>• Approximately 80 kg / m<sup>2</sup> of dry mixture if layer thickness is 40 mm.</li></ul>
<b>Packing:</b>	<ul style="list-style-type: none"><li>• Paper bags 25 kg / full pallet 48 pcs.;</li><li>• 1000 kg / big-bag packing / pre-order;</li><li>• 10000-20000 kg / available in silo / pre-order.</li></ul>
<b>Storage:</b>	<ul style="list-style-type: none"><li>• Packing must be kept away from weather conditions impact, keep on wooden pallets in cool and dry place. Thorn or opened packing must be covered immediately.</li><li>• Storage time in original, unopened packing – 12 months.</li></ul>
<b>Utilisation:</b>	<ul style="list-style-type: none"><li>• Hardened material shall be utilized in compliance with local legislation demands as building material of mineral origin.</li><li>• Packing must be utilised in compliance with local legislation demands as paper, laminated with intermediate film layer.</li></ul>
<b>Safety information:</b>	<ul style="list-style-type: none"><li>• Contains cement: reacts alkaline with moisture!</li><li>• Contains chromate Cr (VI) ions ≤0,0002%;</li><li>• Safety signs are on packing and in safety data sheets.</li></ul>
<b>Additional information:</b>	<ul style="list-style-type: none"><li>• During hardening phase protect from sun beams, draught, frost and too high temperature (&gt; +25°C).</li><li>• Technical data refer to temperature +23±2°C and relative air humidity 50±5%</li><li>• Producer is shown by letters after date: EST - OÜ SAKRET; LV - SIA SAKRET; LT - UAB SAKRET LT.</li></ul>

Colour	Packing 1	Packing 2	Barcode
Grey	25 kg	48 pcs. / pallet	4751006562097

The information provided in the technical data sheet refers to usage of the above product, if there is no other technical documentation, prepared and issued by 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.