

# TECHNICAL DATA SHEET



## SAKRET GMS F – MORTAR (WITH ANTI-FROST ADDITIVE) FOR MASONRY OF POROUS CONCRETE AND GAS SILICATE BLOCKS

18 06 25

Cement thin layer mortar (adhesive) for masonry of precise porous concrete blocks and gas silicate blocks, with anti-frost additive (strength class M10, in compliance with the standard EN 998-2).

- Application:**
- For masonry of all kinds of interior and exterior walls in temperatures till  $-10^{\circ}\text{C}$ .
  - Can be used as repair composition for renewing of blocks' geometry and adhesion of crushed parts.
  - For interior and exterior works.

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

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

**Technical data:**

Water to be added for 25 kg	25 kg	Approx. 5,7 l
Readiness time	Approximately 3 minutes	
Processing time	Approximately 1 hour	
Work temperature:	From $-10^{\circ}\text{C}$ till $+25^{\circ}\text{C}$	
Compressive strength after 28 days/nights	$\geq 10\text{N/mm}^2$	
Mortar's layer thickness	2-3 mm	
Maximum grain size:	Till 0,61 mm	
From 25 kg dry mixture	approximately 18 l of mortar can be made	
Fire safety class	A1 (non-flammable)	

- Foundation preparation:**
- Blocks for masonry must be clean, not wet, not covered with ice.
  - Surface for masonry and repair works must be dry, firm, persistent and without cracks.
  - Foundation 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.
  - During masonry works, the mortar is processed on blocks with shovel and evened with toothed trowel or special adhesive mortar's guide or cup.

- 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.
  - All works must be carried out observing the technology rules of cement mortars' masonry in low temperatures!

- Additional recommendations for processing:**
- Material that has started to harden must not be diluted with water!
  - Temperature of building mixture during masonry works must not be lower than  $+8^{\circ}\text{C}$ .
  - Anti-frost additives do not allow not to observe the technology of working in low temperatures (winter conditions)!

- Consumption:**
- Approximately  $1,4\text{ kg/m}^2$  of dry mixture if layer thickness is 1 mm.

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<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 / upon pre-order;</li><li>• 10000-20000 kg / in silos/ upon pre-order.</li></ul>
<b>Storage:</b>	<ul style="list-style-type: none"><li>• Packing must be protected from impact of weather conditions, stored on wooden pallets in cool and dry place, torn or opened packing must be covered immediately.</li><li>• Storage time in original not opened packing – 12 months.</li></ul>
<b>Utilization:</b>	<ul style="list-style-type: none"><li>• Hardened mixture shall be utilized in compliance with local legislation as construction material of mineral origin.</li><li>• Packing shall be utilized in compliance with local legislation demands as paper, laminated with polythene layer.</li></ul>
<b>Safety information:</b>	<ul style="list-style-type: none"><li>• Contains cement, reacts on moisture in alkaline way!</li><li>• Contains solvent, six worthy chrome Cr (VI) ions <math>\leq 0,0002\%</math>.</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 must be kept away of sun beams, draught, frost and too high temperature (<math>&gt;+25^{\circ}\text{C}</math>);</li><li>• Technical data refer to temperature <math>+23\pm 2^{\circ}\text{C}</math> and relative air humidity <math>50\pm 5\%</math>.</li><li>• Producer is indicated by letters after date: EST - OÜ SAKRET; LV - SIA SAKRET; LT - UAB SAKRET LT.</li></ul>

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Colour	Packing 1	Packing 2	Barcode
Grey	25 kg	48 pcs. / pallet	4751006560666

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.