

# TECHNICAL DATA SHEET



## SAKRET ZM – CEMENT MORTAR

21 05 05

Cement mortar for masonry (strength class M10, in compliance with the standard EN 998-2) and plastering (strength class CS IV, in compliance with the standard EN 998-1).

- Application:**
- Mortar for masonry of all kinds of walls with bricks or blocks.
  - Can be used as plastering mortar for strong enough mineral surfaces.
  - Can be used as repair composition when cement mortar is needed (does not contain lime).
  - Can be used in humid premises.
  - Can be used for masonry of chimneys.
  - Can be processed manually or with mixer.
  - For interior and exterior works.

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

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

<b>Technical data:</b>	Water to be added	12,5 kg	approx. 1,75 l
		25 kg	approx. 3,5 l
		40 kg	approx. 5,5 l
Readiness time	approximately 3 minutes		
Processing time	approximately 2 hours		
Air and foundation temperature:	from +5°C till +25°C		
Compressive strength after 28 days/nights	≥ 10N/mm <sup>2</sup>		
Maximum grain size:	till 3,0 mm		
From 25 kg dry mixture	approximately 15 l of mortar can be made		
From 40 kg dry mixture	approximately 24 l of mortar can be made		
Fire safety class	A1 (non-flammable)		

- Foundation preparation:**
- Surface must be dry, firm 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.
  - Especially dense and smooth surfaces must be treated with abrasive material.
  - Strongly absorbing surfaces must be primed with primer **SAKRET BG** or with concentrated primer **SAKRET UG**, diluted with water in proportion 1:3.
  - Especially dense and smooth concrete surfaces must be primed with quartz primer **SAKRET QG**.

- 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.

- Additional recommendations for processing:**
- All works shall be done observing the rules of cement mortar masonry and repair works technologies.
  - Material that has started to harden must not be diluted with water!

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<b>Consumption:</b>	<ul style="list-style-type: none"><li>Approximately 17 kg/m<sup>2</sup> of dry mixture if layer thickness is 10 mm.</li></ul>
<b>Packing:</b>	<ul style="list-style-type: none"><li>Paper bags 12,5 kg / full pallet 96 pcs.;</li><li>Paper bags 25 kg / full pallet 48 pcs.;</li><li>Paper bags 40 kg / full pallet 36 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 ≤ 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 must be kept away of 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 indicated by letters after date: EST - OÜ SAKRET; LV - SIA SAKRET; LT - UAB SAKRET LT.</li></ul>

Colour	Packing 1	Packing 2	Barcode
Grey	12,5 kg	96 pcs. / pallet	4751006563735
Grey	25 kg	48 pcs. / pallet	4751006562059
Grey	40 kg	36 pcs. / pallet	4751006560055
White	25 kg	48 pcs. / pallet	475100656319

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.