

TECHNICAL DATA SHEET



SAKRET LC – LIGHT COMPOUND FOR FLOOR / LIGHT CONCRETE

2022 01 21

SAKRET light concrete with good heat insulating and sound insulating qualities.

Application:

- For installation of light, heat insulating and sound insulating floor.
- For formation of light, heat insulating and sound insulating layer under coverings.
- For formation of light, heat insulating and sound insulating, vertically non-carrying constructions.
- For filling of different cavities, if high material mechanical strength is not necessary.
- For interior and exterior works.
- NOTE: must not be used as concrete for installation of heated floors!

Qualities:

- High heat insulation.
- In grey colour.

Components:

- Portland cement.
- Light fillers.
- Inert fillers.
- Technologic additives.

Technical data:

Water to be added to:	15 kg	approximately 6 l
Maximum filler fraction:	Till 8 mm	
Readiness time:	approx. 3 min.	
Processing time:	approx. 1 hour	
Processing temperature:	from +5°C till +25°C	
Layer thickness:	20-300 mm	
Compressive strength after 28 days	≥ 5 N/mm ² (class C5 in compliance with LVS EN 13813:2005)	
Thermal conductivity rate:	0,17 W/m*K	
From 15 kg dry mixture	approx. 30 litres of mortar can be made	
Volume weight of hardened concrete	=700 kg/m ³	
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.
- Surfaces must be primed with primer **SAKRET BG** or with concentrated primer **SAKRET UG**, diluted with water in proportion 1:3.
- For formation of vertical constructions not absorbing or weakly absorbing templates must be used. Before concreting templates must be processed with templates' oil.

Processing:

- Process manually or with mixer.
- SAKRET LC must be mixed in clean container with cold water until homogeneous mixture without lumps is obtained.
- For floor installation the compound must be poured on prepared surface and levelled.
- Deformation joints intervals must be observed in large surface area constructions.

Additional recommendations for processing:

- Material, that has started to harden must not be diluted with water!
- Fresh concrete surface during first hours must be protected from impact of unfavourable weather conditions – wind, rain, frost and direct sun beams as well as from drastic temperature fluctuations.
- Concrete must obligatory be protected from too fast drying.

Consumption:

- Approximately 75 kg / m² of dry mixture if layer thickness is 100 mm.

Packing:

- Paper bags 15 kg / full pallet 35 pcs.

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- Storage:**
- 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.
 - Storage time in original, unopened packing – 12 months.
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- Utilisation:**
- Hardened material shall be utilized in compliance with local legislation demands as building material of mineral origin.
 - Packing must be utilised in compliance with local legislation demands as paper, laminated with intermediate film layer.
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- Safety information:**
- Contains cement: reacts alkaline with moisture!
 - Contains chromate Cr (VI) ions $\leq 0,0002\%$;
 - Safety signs are on packing and in safety data sheets.
- Additional information:**
- During hardening phase protect from 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 shown by letters after date: EST - OÜ SAKRET; LV - SIA SAKRET; LT - UAB SAKRET LT.

Colour	Packing 1	Packing 2	Barcode
grey	15 kg	35 pcs. / pallet	4751006563933

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.