



SEBEK 501 Selfleveling Mortar

Selfleveling Mortar

Manufacturer: SIA LATIKRETE Baltik, Latvia

Product description:

Dry mix **SEBEK 501 Selfleveling Mortar** represents a mix on a cement basis which being made-up by water forms easily spreading and selfleveling solution for fast surfaces leveling for the subsequent laying of finishing materials. It provides fast achieving of smooth surface with excellent characteristics only in 4 hours and allows walking on it. It is used for alignment of a rough floor and roughly made concrete slabs, smoothing of edges. It is ideal for new buildings and reconstruction works, in commercial and housing projects.

Basic advantages:

- Energy conserving and easy in application.
- It doesn't need to prime a basement.
- It gains resistibility quickly.
- For internal and external works.
- Frost-resistant.
- Waterproof, it doesn't contract and warp.
- It is compatible to the majority of adhesives.
- It can serve as a finishing coating with the thickness to 30 mm for one pass.
- It can serve as an independent coating.
- Does not contain substances hazardous to health substances, including formaldehydes
- The sand-and-cement composition formula is accounted with purpose to lock and retain all organic components of the mix thus the initial characteristics of the cured mortar remain not changed after years of utilization.

Recommended coatings on the leveled surface:

- Any kind of stone.
- Any kind of tile
- Warmed floors
- Timber floor, parquet
- Wood chip board and gypsum board liner
- Linoleum, carpet
- Epoxy coatings.

Coverage rate: A bag of 25 kg.

Rated coating thickness	Approximate coverage
3 mm	5 – 5.5 m ²
6 mm	2.6 m ²
12 mm	1.3 m ²

Restrictions in application:

- Don't use it at temperature lower than +4°C.
- One should not put it on the painted, bitumen and gypsum surfaces.
- Don't add water overweight.
- Never mix with cements or additives.

Operating capabilities (+21°C):

Dry mix consistence	1.15 kg/dm ³
Operating time	30 minutes
Fluctuation time	15 minutes
Suitable for walking over	4 hours
Damp density	(1660 kg/m ³)

Reference specifications:

Resistance to compression in 7 days	21.7 MPa
Resistance to compression in 28 days	28.1 MPa
Index of self-spreadability	144 mm
Cross-breaking strength in 28 days	6,0 MPa

Note: In actual building practice inflexions are possible depending on methods of work and temperature-humidity characteristics.

Precautions:

The material contains portland cement and quartz sand, capable to cause irritation of eyes and skin. In case of straight contact it is necessary to wash with water.

Surface preparation:

All surfaces, on which selfleveling mortar is laid on, should have temperature from +4 to +32°C. The base should be strong, pure, without dirt, dust, oil stains, paint etc. At work with veneer wood the junctions on the higher layer should not be on the same level with the junctions of the lowest level. Provide 3 mm interval between veneer wood sheets and any surfaces on which they border.

All indicators of quality stated in the technical specification and the recommendations are true for ambient temperature of +20°C and air relative humidity of 60%. In other conditions the terms of gripping and time of material maturing may change.

Mixing of mortar:

Pour clean, potable water at temperature of +15-20 °C into a container. Add SEBEK 501 Selfleveling Mortar. Use 6,15 liter of water for 25 kg of the powder. Stir it by mixer *at a small speed* or manually. Continue stirring during 5 minutes until homogeneous mortar formation free of clots will be formed. Then the mortar is sustained for 5 minutes. After that, stir up the mortar during 10 minutes. For achieving of the best result, it is recommended to mix no more than two bags of the material simultaneously. At preparation of mortar in the mechanized way, the quantity of mortar depends on the volume of used equipment.

Performance of works:

Pour out the prepared mortar on the basement and distribute on the area by means of a rubber lath, a gear spatula and analogous tools. It is recommended to roll by nosing the surface of newly-laid mortar for splatter dashing.

Made-up water overdose reduces mechanical strength of the laid mortar and can lead to segregation of a spilt portion of the material.

For mortar feeding it is possible to use reciprocating piston pumps or screw pumps. At breaks in work for more than 20 minutes tools should be washed out with water. The hardened mortar can be removed only mechanically.

The floor will be already ready to walking on in 4 hours.

The prepared mortar should be worked out within 30 minutes since the moment of making-up.

Recommendations:

The laid mortar should be protected from drying-out too fast, for example, under the influence of draughts and strong heating of solar radiation. It is necessary to make expansion grooves on the areas more than 30 m².

The manufacturer does not bear responsibility for material misuse, and also for its application in other purposes and in conditions then have been provided for by this instruction.

At doubt of certain material suitability, it is necessary to test it independently or to get advice of the manufacturer.

The information set forth above and also the recommendations not confirmed in writing, cannot be the reason for unconditional liability of the manufacturer. From the moment of this technical specification appearance all previous ones become void.

Warranty of the manufacturer:

The manufacturer guarantees that under normal conditions of works execution and operation the material SEBEK 501 Selfleveling Mortar will not collapse, will not lose quality while in service, will not decay into components within one (1) year from the moment of manufacture.

Storage:

Store in not opened bags in a dry premise at temperature 18-26° C, without adjoining directly to the earth. A period of storage is 1 (one) year. At high air humidity the period of storage is reduced.

Packing: Bags of 25 kg, 48 bags on a pallet.

LATIKRETE Baltik

Maintenance service:

For receiving technical literature and literature on safety rules for work with materials **SEBEK**, please address the dealer in Baltic: SIA LATIKRETE Baltik.

Phone: (+371 28668308)

Internet: www.laticrete.lv;

E-mail: info@laticrete.lv