



SEBEK 102 Universal
SEBEK 102 Universal “White”
Class C1
Euronorm EN 12004

Universal elastic adhesive for any kinds of tile and stone

Manufacturer: SIA LATIKRETE Baltik, Latvia

Product description:

SEBEK 102 Universal is dry mix modified by high-quality polymers on a cement basis of Euronorm class C1 EN 12004. It is made-up by clean water. It is used for close-grained (up to 12 mm) method of securing of all sorts of ceramic slabs, tiles and natural stones to surfaces of walls and floors inside and outside buildings and constructions.

Basic advantages:

- It is universal, it is used for walls and floors inside and outside buildings.
- It is effective in damp premises.
- It does not demand ground cleavage and priming coats application.
- It admits adding of rubber solutions for adhesion and elasticity strengthening.
- Temperature range at operation is from -40 to +110°C.
- It is used for warmed up floors
- 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
- **SEBEK 102 Universal "White" is of white colour.**

Suitable Substrates:

Concrete, building mortar layer, concrete and brick blocks, cement plaster, gypsum board/Gypsum fiber board (only inside of premises), all-weather plywood and mechanically processed (abraded) boards (only in premises with adding of rubber solutions).

Approximate Coverage:

At the spatula teeth sizes of 6 mm x 6 mm – 7,0-8,4 m², 6 mm x 9 mm – 5,1-6,6 m².

Coverage will vary depending on trowel notch size, type and size of tile and substrate.

Restrictions in application:

- One must not use it on melamine, not laminated woodchip boards, hard-grained wood
- It is necessary to use SEBEK 102 Universal “White” for installation of white and light stones
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a SEBEK 401/402 Waterproofing Slurry.

***Note:** Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length (except where local building codes specify more stringent deflection requirements)*

Physical Properties of SEBEK 102 Universal:

Cleavage strength of ceramic tile in 28 days	1.9 MPa
Cleavage strength in 20 minutes after tile stiffening	0.6 MPa
Cleavage strength of ceramic tile after 7 days in water	1.1 MPa
Resistibility after 25 cycles of freezing-melting	1.0 MPa

Working Properties of SEBEK 102 Universal (at +21°C):

Time during which the solution put on a surface remains sticky	60 minutes
Time during which the solution does not thicken after being hydrated with water in a container	4 hours
Time from the moment of solution spreading on a surface till load application	24 hours
Solution density in the hydrated condition	1740 kg/m ³

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. One needs to avoid dust inhalation. It is necessary to protect from children.

Surface preparation: The surface, on which close grained solution is spread, should have temperature from +4 to +30°C. The basement must be strong, pure, without dirt, dust, oil stains, paint etc. Rough, uneven surface needs to be leveled, using self-aligning matrix SEBEK 501 Selfleveling Mortar. Dry, dusty concrete or brick surface should be humidified (without excess of water). It is supposed to spread solution on a damp surface of the basement. New concrete and reinforced concrete constructions are necessary to sustain for 28 days in normal temperature-humidity conditions before spreading glutinous solutions on them. The maximum permissible unevenness of surfaces (vertically and horizontally) is 6 mm for every 3 m. Expansion jointing is carried out according to building size standards and rules and it is not to be covered by solution or tile.

Mixing of mortar: Pour 6,6 liters of clean water into a container. Pour out gradually 25 kg (1bag) of dry mix of SEBEK 102 Universal into water. Stir up the solution manually or by a mixer on small speed to a homogeneous condition at which the compound can be leveled rather easily by means of a working tool. Before spreading the solution on the surface it is necessary to sustain it approximately for 5-10 minutes and again to stir it up without adding water or powder. In the course of work the solution should be stirred up periodically. **Don't add water!**

Mortar spreading: Spread out thin layer of the solution by the even part of a spatula and then level it by serrated part of a spatula. The solution is spread on the area sufficient for installing tiles within approximately 15-20 minutes. At a tile of 200x200 mm size and more, before installing it is necessary to put solution also on the other side of a tile. Spread tiles on a damp, sticky solution. Periodically, for checking the quality of spreading, it is necessary to lift separate tiles or stones. Their back side should be completely covered with solution. If the solution is not sticky and it is covered with drying up film, such solution should be removed from a tile and replaced with the fresh made.

Tools are easily cleared by water while the solution has not hardened yet.

Grouting: Grout installation after a minimum of 24 hours curing time at (21°C). Grout with LATICRETE 1500 Sanded Grout or LATICRETE 1600 Unsanded Grout mixed with LATICRETE 1776 Grout Admix. For maximum stain resistance use LATICRETE SpectraLOCK™ Grout.

Warranty of the manufacturer: The manufacturer guarantees that under normal conditions of works execution and operation the material SEBEK 102 Universal 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: Initial quality of material in the intact original packing is guaranteed at storage on the pallet in a dry premise at air temperature from 0°C to +40°C within one (1) year. At high air humidity the period of storage is reduced.

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

Colors: Grey and White.

LATICRETE Baltik**Maintenance service:**

For receiving technical literature and literature on safety rules for work with materials **SEBEK**, please address the dealer in Baltic: SIA LATICRETE Baltik.
Phone: (+371 28668308)
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