



SEBEK 105 Premium

Class C2T Euronorm EN 12004

SEBEK 105 Premium White

Class C2E Euronorm EN 12004

Floor'N'Wall Thin-Set Mortar

Manufacturer: LATIKRETE Baltik, Latvia

Product description:

SEBEK 105 Premium adhesive is a high performance bagged cementitious powder to be mixed water to install ceramic tile and stone using the thin-set method of installation. Euronorms EN 12004 class C2T/C2E. It is used for the thin-layer method of fastening of all types of ceramic plates, tiles and natural stones to the walls and floors surfaces inside-outside buildings and constructions.

Basic advantages:

- High Tack—will hang tile without slippage (class T <0.5 mm).
- Dual Purpose—for walls and floors.
- Cleans with water.
- Easy to Use—plastic, workable and long open time.
- High Bond Strength—200% stronger than mastic type adhesives.
- Safe—non-flammable and non-toxic during storage, application and after hardening.
- It is used for warmed up floors
- Its thermal stability is from -40°C to +110°C.
- 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 105 Premium "White" is of white colour.**

Suitable Substrates:

Concrete, Cement plaster, Exterior glue plywood (interior only), Gypsum wall board (interior only), Cement mortar beds, Concrete masonry, Brick masonry.

Approximate Coverage:

Approximately 7,7–9,4 m² per 25 kg bag with 6 mm x 6 mm sq. notch

Approximately 5.6–6.6 m² per 250 kg bag with 6 mm x 9 mm sq. notch

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

Data Sheets are subject to change without notice. For latest revision, check our website at www.laticrete.lv

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Restrictions in application

- Do not apply directly to plywood, chipboard, particleboard, decorative laminates or resilient flooring.
- For installations over exterior glue plywood, decorative laminates or resilient flooring use with LATICRETE 333 Super Flexible Additive.
- Do not install tile/stone when surface temperatures are below freezing 32°F (0°C). Always use LATICRETE latex additives when temperatures approach freezing.
- 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 105 Premium:

Pull strength of ceramic tile after 28 days	1,9 MPa
Pull strength at a set time 20 min.	1,3 MPa
Pull strength of ceramic tile after 7 days in water	0,9 MPa
Strength after 25 cycles of freezing and thawing	1,3 MPa

Working Properties of SEBEK 105 Premium (at +21°C):

Time during which mortar applied on a surface remains sticky	60 minutes
Time during which mortar does not become thick after mixing it with water in container	3 hours
Time from mortar applying on the surface to load application	24 hours
Mortar density in raw condition	1640 kg/m ³

Note: Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Precautions:

Material contains cement and silicate sand which can cause the eye and skin irritation. Wash in water in case of direct contact. Do not breathe the dust of cement and sand mix. Keep out of the reach of children.

Surface Preparation:

Surface which is applied thin-layer mortar must have a temperature from +4°C to +30°C. Founding must be solid, clean, without dirt, dust, grease marks, paints and other particles. Sandpaper and irregular surface should be lined up, using the system of smoothing SEBEK 501 Selfleveling Mortar. Dry, dusty concrete or brick surface must be moistened (without surplus of water). It is allowed to apply the mortar on the moist surface of founding. New concrete and reinforced-concrete constructions should stand 28 days in normal temperature-humidity conditions before the applying adhesive solution. Maximum pass-off standard is 6mm×3m. Expansion jointing is completed in accordance with building regulations and rules. Do not apply the expansion joint with mortar.

Mixing of mortar:

Pour about 6,6 litres of clean water in a pail. Pour out 25 kg sack of SEBEK 105 Premium in water. Mix up the mortar by a mixer at a small speed or do it by hand to homogeneous state whereby a proportion can be smoothed out comparatively easy with working tool. Leave the mortar for about 5-10 minutes before applying it on the surface and it should be mixed up again without addition of water or powder. In the process the mortar should be mixed up periodically. **Do not add the water!**

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Mortar spreading:

Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side. Use the proper sized notched trowel to ensure full bedding of the tile. Spread as much mortar as can be covered with tile in 15–20 minutes. Back butter large tiles >200 x 200 mm to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to embed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile. If mortar is skinned over (not sticky), remove and replace with fresh mortar.

The tool is scrubbed by water, until the mortar will harden.

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:

Manufacturer guarantees that under ordinary conditions of work production and exploitation the SEBEK 105 Premium material will not collapse, not lose the quality in the exploitation process, and not resolve into components during one year from the moment of production.

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.

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