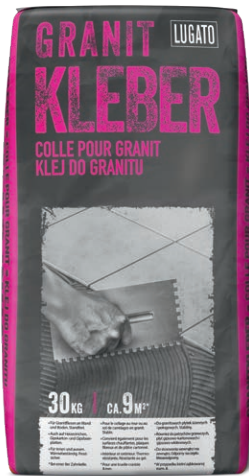


GRANIT-KLEBER



Adhesive for moisture-insensitive granite tiles and panels on walls and floors.

Product performance

- | Cementitious, trass-containing adhesive for moisture-insensitive granite tiles and panels.
- | In C1T quality of EN 12004.
- | Creamy consistency and high stability.
- | Resistant to water, heat and frost.
- | Also on heated screeds, plasterboard and gypsum fibre boards.

Applications

- | For gluing granite, mosaic and stoneware tiles on standard building substrates, also on cement-bonded heated screeds and gypsum-bonded building panels.
- | On wall and floor. Indoor and outdoor use.

Substrates and preparation

The following applies to all substrates

Level, able to carry a load, clean, dry and free of separating impurities such as form oil. Remove plaster or cement skin, paint coats, wallpaper, wallpaper paste. Level unevenness on the floor, e.g. with FLIESS-SPACHTEL or LUGATO FLIESST & FERTIG SCHNELL; on the inside of the wall with LUGATO ROHBAUSPACHTEL INNEN.

Substrate	Requirement/Preparation
Concrete	at least 6 months old.
LUGATO FLIESST & FERTIG	no additional preparation needed.
Gypsum fibreboard, gypsum plaster-board, gypsum building panels	fasten torsionally stiff and dimensionally stable, vacuum. Prime with LUGATO BESTE BASIS.
Gypsum plasters	min. 10 mm thick, not felted, not smoothed, dry. Prime with LUGATO BESTE BASIS.
Aerated concrete (indoors)	prime with LUGATO BESTE BASIS.
Cement-bonded heated screeds	cure for 3 weeks, functionally heated. Residual humidity < 2.0 CM-%. Switch off the heating before laying and leave it off for 8 days after laying.
Cement-, lime-cement plasters	at least 10 mm thick, sufficiently hardened.
Cement screeds	Sufficiently cured. Floating or laid on insulation: dry, residual moisture < 2.0 CM-%.

Processing

Mixing	Stir the contents of the bag (30 kg) into approx. 9.3 l clean water with a slow-running agitator. Mix again after 5 minutes.
Processing	Apply the adhesive to the substrate and comb through with toothed trowel (see table for toothing). Bond granite panels in a combined process. Apply an additional layer of adhesive to the back of the panel using a smoothing trowel. Slide in and align the panels within 20 minutes and knock into the floor with a rubber mallet. Clean the tool with water.

Product data


Panel format/edge length	Toothing of the toothed trowel	Quantity required	Yield of 30 kg
to 5 cm	3 x 3 x 3 mm	approx. 1.4 kg/m ²	approx. 21 m ²
5–10 cm	4 x 4 x 4 mm	approx. 1.9 kg/m ²	approx. 16 m ²
10–20 cm with back profile	6 x 6 x 6 mm	approx. 2.8 kg/m ²	approx. 12 m ²
20–30 cm	8 x 8 x 8 mm	approx. 3.7 kg/m ²	approx. 8 m ²
over 30 cm	10 x 10 x 10 mm	approx. 4.6 kg/m ²	approx. 6 m ²
Filler layer 1 mm	without	approx. 1.3 kg/m ²	-
Scraped filler	without	approx. 0.6 kg/m ²	-

Processing time	approx. 4 hours.
Processing temperature	5–25 °C.
Open time	approx. 20 minutes.
Can be walked on/carry loads	after 1 day/after 5 days. Heated screeds can be reheated after 7 days.
Temperature resistance	-25 to 70 °C.
Waiting time until jointing with LUGATO products	approx. 2 days.

Adhesive tensile strength (acc EN 1348)	> 0,5 N/mm ² for each type of bearing.
Fire behaviour	class E.
Ingredients	cement, fillers, organic/inorganic additives.
Pack size	30 kg.
Colour hue	natural white.
Shelf life	approx. 18 months in original packaging. Store in a dry place. All times based on 20 °C and 65 % rel. humidity.

Test certificate

I Test as C1T-adhesive according to EN 12004 by the Säurefließner-Vereinigung e.V., Großburgwedel.

 1212	
LUGATO GmbH & Co. KG Großer Kamp 1, D-22885 Barsbüttel 05 3750	
EN 12004:2007+A1:2012 Normal setting, cement-containing mortar with reduced slippage for tiling work, indoors and outdoors EN 12004:C1T	
Fire behaviour:	Class E
tensile adhesion strengths	
Dry/wet/warm/ Freeze-thaw alternating storage:	≥ 0,5 N/mm ²
Open time:	≥ 0,5 N/mm ² (20 min.)
Slipping:	≤ 0,5 mm
Hazardous substances:	see safety data sheet

I Declaration of performance can be downloaded from the Internet at www.lugato.de if required.

Please note

I Granite is a natural product and is subject to natural fluctuations. The product statements made here are based on testing and practical experience and cannot be applied to every application. If necessary, it is recommended that you carry out your own trials.

I Not suitable for marble, moisture-sensitive granite and other natural stones.

I For marble, moisture-sensitive granite and other natural stones as well as for quick granite laying use LUGATO MARMOR + GRANIT KLEBER.

I Use LUGATO GLASMOSAİK-KLEBER for laying on chipboard and on LUGATO DUSCHABDICHTUNG in wet areas.

Health & safety:



Causes skin irritations. Causes severe eye damage. Can irritate the respiratory system.

If medical advice is necessary, keep the packaging or marking label ready. Keep out of the reach of children. Use only outdoors or in well-ventilated rooms. Wear protective gloves (e.g. nitrile-soaked cotton gloves)/protective clothing/eye protection/face protection. **IN CASE OF CONTACT WITH THE EYES:** Rinse carefully with water for several minutes. If possible, remove contact lenses beforehand. Continue to rinse. Dispose of contents/containers in accordance with national regulations. GISCODE: ZP1. Contains Portland cement. Shows strong alkaline reactions when exposed to water. Prevent dust formation and mortar splashes. Please ask for safety data sheet if required.



Hazard

Disposal:

Recycle packaging free from residues.

The statements made in this information sheet reflect our current knowledge and experience. Since we do not have influence on the building-specific circumstances and the correct execution of the work, we can only guarantee the consistent quality of our products.

For that reason in case of doubt verify the suitability of the product through a sufficient number of test applications. A direct legal liability can be derived neither alone from the instructions in this information sheet nor from any oral consultation.

The publication of this technical information sheet invalidates the previous editions. Subject to change without prior notice.



Responsible Care (RC) for the chemical industry means taking responsible action. It makes this clear through a worldwide initiative. In many countries, chemical associations run national RC programs. In the international initiative, thousands of companies are active with millions of employees. The goal is voluntary commitment to do more than just the compulsory: Promoting sustainability, demonstrating product responsibility, creating more safety for factories and the neighbourhood, improving health protection at the workplace and improving environmental protection. In the frame of its membership in the Verband der deutschen chemischen Industrie, LUGATO has committed itself to adhere to this objective.

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