

FLEX-KLEBER



Flexible tile adhesive for ceramic wall and floor tiles.

Product performance

- | Cementitious tile adhesive In C2T quality of EN 12004.
- | User-friendly due to smooth processing and high suppleness.
- | Stable, heat-resistant, frost-resistant.
- | Specially designed for bonding to heated screeds, plasterboard and gypsum fibre boards.

Applications

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

Substrates and preparation

Suitable tile coverings	Earthenware and stoneware tiles, split tiles, mosaic, floor clinker tiles, facing tiles, porcelain stoneware tiles (interior).
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; 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 (except gypsum plasterboards).
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. 7.9L 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). Slide in and align the tiles within 20 minutes and knock into the floor with a rubber mallet. Bond outdoors or under water without cavities. To do that, additionally spread adhesive across the back surface of the tile. Clean the tool with water.

Product data


Tile and slab 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. 22 m ²
5–15 cm	4 x 4 x 4 mm	approx. 1.8 kg/m ²	approx. 17 m ²
10–20 cm	6 x 6 x 6 mm	approx. 2.6 kg/m ²	approx. 12 m ²
20–30 cm	8 x 8 x 8 mm	approx. 3.5 kg/m ²	approx. 9 m ²
over 30 cm	10 x 10 x 10 mm	approx. 4.2 kg/m ²	approx. 7 m ²
Filler layer 2 mm	without	approx. 1.6 kg/m ²	approx. 19 m ²
Scratch coat	without	approx. 0.5 kg/m ²	approx. 60 m ²

Processing time	approx. 4–5 Stunden.
Processing temperature	5–25 °C.
Open time	approx. 20 minutes.
Load capacity	walkable after approx. 1 day; loadable after approx. 5 days; weather-resistant after approx. 28 days.
Temperature resistance	-25 to 100 °C.

Waiting time until jointing with LUGATO products	approx. 2 days.
Adhesive tensile strength (according to EN 1348, stoneware tiles)	> 1,0 N/mm ² for each type of bearing.
Fire behaviour	class E.
Ingredients	Standard cement, quartz sand, calcite fillers, plastic additives, setting regulators, antifoaming agent.
Pack size	30 kg
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 C2T-adhesive according to EN 12004 by the Säurefließner-Vereinigung e.V., Großburgwedel.

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LUGATO GmbH & Co. KG Großer Kamp 1, D-22885 Barsbüttel 05 3770	
<small>EN 12004:2007+A1:2012</small> Cement-based mortar for increased requirements with reduced slippage for tiling work, indoors and outdoors <small>EN 12004:C2T</small>	
Fire behaviour:	Class E
tensile adhesion strengths	
Dry/wet/warm/	
Freeze-thaw alternating storage:	≥ 1,0 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 Use LUGATO SICHERHEITSKLEBER FLEXIBEL for bonding to LUGATO DUSCHABDICHTUNG, interior paints, old tiles, anhydrite screeds, chipboard, mastic asphalt.

I Bond porcelain stoneware tiles outdoors or on heated screeds with LUGATO SICHERHEITSKLEBER FLEXIBEL.

I Use LUGATO MARMOR + GRANIT KLEBER for marble tiles and for quick granite laying

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. GHS CODE 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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