

FLIESST & FERTIG EXTRA



High-performance floor levelling compound for layers with thicknesses from 5 to 50 mm. Indoor and outdoor use.

Product performance

- | Self-levelling floor levelling compound and filler.
- | For layers with thicknesses from 5 to 50 mm
- | Perfect for thin-layered floor warming systems.
- | Self-levelling with excellent dispersion.
- | Can be walked on after approx. 2 hours.
- | Usable for follow-up work after approx. 12 hours.
- | With high adhesive power for the application even on old tiles (indoor use).

Applications

1. For levelling uneven floor surfaces e.g., in living rooms, corridors, and hobby rooms; in layer thicknesses from 5 to 50 mm.
2. For embedding thin-layered warming/heating systems operated both electrically and with hot water.
3. As a walkable wear layer e.g., in cellars and hobby rooms.
4. As thick layer compensation for uneven screeds or screeds that are not level.

Indoor and outdoor use. (Outdoors only on roofed surfaces such as single or double garages.)



Self-spreading and creates level surfaces on e.g., thin-layered floor warming systems.

Substrates and preparation

Suitable	Cement and anhydrite screeds (including heated screeds), concrete, tiles (indoor use), natural stone (indoor use), artificial stone, terrazzo, gypsum-bound and cement-bound dry screed elements.
Consistency	Able to support, free from cracks, clean and dry. Free from grease, wax and cleaners, coats.
Preparation	Insert edge insulating strips into the connection joints between the floor and wall. Prime with BESTE BASIS on absorbent substrates (see also: specific preparations).

Specific preparations

Substrate	Requirements / Preparations	Priming with BESTE BASIS	Possible layer thickness
Anhydrite screeds	residual humidity < 0.5 CM %, ground, vacuumed.	x	5–20 mm
Concrete	min. 3 months old.	x	5–50 mm
Tiles	undamaged, succinctly grouted, no hollow layers.	–	5–15 mm
		◦	5–30 mm
Natural stone (indoor use)	mill off and dust the surface.	◦	5–15 mm
Terrazzo and artificial stone	mill off and dust the surface.	x	5–20 mm
Dry screed elements e.g., gypsum fibreboards	attached according to the manufacturer's instructions, vacuumed.	x	5–10 mm
Cement screeds	at least 3 weeks old. Residual humidity < 2.0 CM %.	x	5–50 mm
Heated screeds, cement-bound	at least 6 weeks old, functionally heated, residual humidity < 1.8 CM %. Switch off the heating system prior to levelling. Recommission 7 days after levelling at the earliest.	x	5–50 mm
Heated screeds, anhydrite-bound	at least 4 weeks old, functionally heated, residual humidity < 0.3 CM %. Switch off the heating system prior to levelling. Recommission 7 days after levelling at the earliest.	x	5–20 mm

Key: x = BESTE BASIS required.
 – = No primer required.
 ◦ = Prime with HAFTGRUND.

Processing



1 Apply BESTE BASIS on the substrate with a paint roller and allow drying for 1 to 4 hours depending on the absorbing capacity.



2 Stir bag contents (20 kg) into 4.2 – 4.4L of clean water. Stir again after 3 minutes. Pour out the material section by section and provide sufficient ready mixtures. Apply them one after another at a good pace.



3 Evenly spread the applied mass with a scraper or a rubber slider. Protect the fresh material from draught and sunlight.



4 The required system covering of 5 mm is measured by dipping an aluminium straight edge and measuring the adhering mortar film. Immediately clean the tool with water.

Practical tip: When processing larger quantities, work with 2 persons and multiple mixing containers. This ensures the swift and even application of the mass.

Notes on embedding heating systems

Prior to installing heating systems, level possible bumps on the substrate with FLIESST & FERTIG SCHNELL or FLIESST & FERTIG EXTRA. Use for heating systems with flow-through capability (open). 1. Systems containing water up to a maximum pipe diameter of 12 mm. 2. Electrical systems up to a maximum cable diameter of 4 mm. Install heating systems according to the manufacturer's instructions and carry out a function test. The heating systems must be switched off during the work. Tiles can only be laid if the system is covered by at least 5 mm of covering mass. The system must be covered by at least 10 mm of covering mass for other follow-up work.

Product data

Quantity, yield depends on the application area and the layer thickness

Application	Layer thickness	Quantity	Yield from 20 kg FLIESST & FERTIG EXTRA
Filler layer	5 mm	approx. 8,0 kg/m ²	approx. 2,5 m ²
Wear layer	e. g. 15 mm	approx. 24,0 kg/m ²	approx. 0,8 m ²
Layer thickness levelling	50 mm	approx. 80,0 kg/m ²	approx. 0,25 m ²

Quantity in general: 1.6 kg/mm/m²

Processing time (time in container)	approx. 20 Minuten.
Processing temperature	10 – 30 °C.
Can be walked on/loaded	after 2 hours at the earliest / after 7 days.
Temperature resistance (28 days)	-20 to 70 °C.
Compressive strength (28 days)	≥ 25,0 N/mm ² .
Adhesive tensile strength on concrete (28 days)	approx. 2,0 N/mm ² .
Ingredients	cement, quarzitic and calzitic fillers, organic additives.

Product data (continued)

Ecology	very low emissions PLUS (EMICODE EC 1 ^{PLUS}). GISCODE ZP1.
Pack size	20 kg.
Fire behaviour	class A2fl-s1 in accordance with DIN EN 13501-1.
Shelf life	approx. 12 months in original packaging. Store in a dry place. All times given are valid at 20°C and 65% of relative humidity. Higher temperatures accelerate and lower temperature decelerate curing.

Waiting times for follow-up work with LUGATO products

Layer	Glueing tiles and natural stone	Glueing / laying textile coverings	Glueing / laying parquet, laminate, cork Glueing PVC / vinyl, applying coats
5–10 mm	12 hours	2 days	3 days
11–20 mm	24 hours	4 days	7 days
21–30 mm	36 hours	7 days	14 days
31–40 mm	2 days	9 days	21 days
41–50 mm	3 days	12 days	28 days

Bitte beachten

- Heated screeds Switch off system 1 day prior to levelling and recommission 7 days after levelling at the earliest.
- FLIESST & FERTIG EXTRA can be applied in multiple layers after 24 hours of drying and intermediate priming with BESTE BASIS (the added-up layer thicknesses must not exceed the maximum layer thickness depending on the properties and condition of the substrate specified in the table "Specific preparations" on page 2).

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 impregnated cotton gloves)/protective clothing/eye guard/face protection. IN CASE OF EYE CONTACT: Carefully rinse with water for a few minutes. Remove any contact lenses. Continue rinsing. Hand over contents/container to hazardous waste disposal. GISCODE: ZP1. Contains Portland cement. Shows strong alkaline reactions when exposed to water. Prevent dust formation and mortar splashes. If required, data sheet or download from the Internet at www.lugato.de



Hazard

Disposal: Recycle empty packaging.

If you're not sure of something, please ask!

Feel free to give us a call. You can reach the LUGATO experts at: +49 (0)40 6 94 07-222.



Responsible Care (RC) for the chemical industry means taking responsible action. This is made clear through a worldwide initiative. In many countries, chemical associations run national RC programmes. Thousands of companies with millions of employees are active in the international initiative. 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. Within the scope of its membership in the German Chemical Industry Association (Verband der deutschen chemischen Industrie), LUGATO has committed itself to adhere to this objective.

The statements made in this information sheet reflect our current knowledge and level of experience. Since we do not have influence on the object-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 verbal consultation.

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

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