

SL-110



Calcium Sulfate-Based, Self-Leveling F7/C25 Levelling Screed

Description

Hammerfast SL-110 is a calcium sulfate-based, F7-C25, self-leveling, high-performance smoothing screed that can be applied in thicknesses from 2 to 20 mm and provides crack-free performance thanks to its low surface tension

Advantages

- Has high flowability.
- Suitable for levelling irregularities between 2–20 mm.
- Does not shrink, crack, or blister.
- Self-levels to form a smooth surface.
- Suitable for floors exposed to medium and heavy traffic.
- Provides high adhesion strength.
- Suitable for underfloor heating systems.

Areas of Use

- Used as a leveling screed before final floor covering on interior floors exposed to medium and heavy traffic in all types of buildings
- Used to obtain a smooth surface under coverings such as PVC, linoleum, carpet, laminate and laminated parquet, wood, ceramic, and rubber
- Applicable indoors on cement-based screeds, concrete slabs, and precast concrete surfaces
- Suitable for underfloor heating systems

Surface Preparation

- The surface to be applied must be clean, dry, and sound. Paint, plaster, lime, concrete, or adhesive residues must be removed by scraping. The surface must be free from dust and oil.
- Local surface defects should be repaired using an appropriate Hammerfast RM-150 Repair Mortar.
- At least 30 minutes before application of Hammerfast SL-110, the surface must be primed with Hammerfast Primer.

Application

- 20 kg of Hammerfast SL-110 leveling screed is mixed with 5,2-5,6 L of clean water using a low-speed mixer until a homogeneous mixture is obtained.
- The prepared flowable mixture is poured onto the surface, the thickness is adjusted with a steel trowel, and then treated with a spiked roller.

Consumption

Approx. 1,5 kg/m² (for 1 mm thickness)

Technical Properties

Color and appearance	Cream-colored fine powder
Class	CT (F7/C25)
Mixing ratio	5,2-5,6 L water/20 kg powder (26-28%)
Application temperature	+5 °C / +30 °C
Self-leveling time of mortar	20-30 min.
Time to open to pedestrian traffic	3-5 hours
Time required for final coating	24-48 hours (For 3 mm thickness)
Application thickness	2-20 mm
Flexural strength	F7 "7 N/mm ² " (TS EN 13813)
Compressive strength	C25 "25 N/mm ² " (TS EN 13813)
Temperature resistance	After final drying, -5°C / +70°C

* Values are determined at 23 ± 2°C temperature and 50 ± 5% relative humidity.

Important Notes

- Do not add any additives not specified in the application instructions.
- The product must be used within its pot life after mixing.
- Do not apply on constantly wet or damp surfaces.
- During application, the surface must be protected from wind, direct sunlight, and frost.
- Do not apply on weak or loose substrates; very smooth and glossy surfaces must be roughened.
- Not suitable for outdoor or industrial areas and must not be left as a final surface.
- Application thickness should be determined considering surface roughness, porosity, and level differences.
- Drying time may vary seasonally; therefore, full curing of Hammerfast SL-110 must be ensured before further applications.
- Application must be carried out at temperatures between +5°C and +30°C.

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Storage and Shelf Life

When stored in its original, unopened packaging in dry, moisture-free environments, protected from direct sunlight, and at temperatures between +10°C and +35°C, the shelf life is 12 months from the date of production. If not used, the packaging must be tightly sealed. A maximum of 2 pallets may be stacked on top of each other.

Safety Precautions

- Keep out of reach of children.
- Do not eat or swallow.
- Keep away from foodstuffs.
- Do not inhale directly or allow contact with skin.
- May cause allergic reactions.
- In case of eye contact, rinse thoroughly with plenty of water and consult a doctor.
- Use gloves, goggles, and protective clothing during application.
- Wash hands thoroughly with water after application.
- For detailed safety information, read the Material Safety Data Sheet (MSDS).

Packaging

Supplied in 20 kg four-ply kraft bags.
(1 Pallet = 60 bags = 1200 kg)
Pallet dimensions: 80 × 120 cm, h = 100 cm)

Cleaning of Tools

All tools used must be cleaned with water immediately after application.

Quality Certificates

- TSE
- CE
- ISO 9001
- ISO 14001

