

# Hammerfast SL-270 Rapid

## Technical data sheet

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### Definition

Special cement based, polymer modified, very fast drying, self-leveling, high strength floor leveling mortar.

### Advantages

- Saves time thanks to its very fast drying.
- Suitable for heavy traffic and harsh conditions.
- Has excellent spreading.
- It does not create shrinkage cracks.

### Areas of use

Hammerfast SL-270 Rapid can be used in residential, commercial and industrial areas, hospitals, areas with heavy traffic, under epoxy applications, during the application of flooring elements such as PVC, linoleum, carpet, laminated parquet, laminated parquet, rubber, and for the purpose of eliminating and correcting the defects in concrete, screed, asphalt, anhydrite floors.

### Application limits

|                                    |                            |
|------------------------------------|----------------------------|
| Mixing ratio                       | 6,5-7,0 L water/25 kg pow. |
| Application temperature            | +10 °C / +25 °C            |
| Self-leveling time of the mortar   | 15 min.*                   |
| Time to open to pedestrian traffic | 60 min*                    |
| Time required for final coat       | 60-120 min.*               |

\*These are the values found at 23±2 °C temperature and 50±5% relative humidity.

### Surface preparation

- The surface to be applied must be clean, dry and solid. If there are paint, plaster, lime, concrete or adhesive residues on the floor, the floor must be scraped and cleaned. The floor must be free of dust and oil.
- Local defects on the floor must be repaired with a suitable Hammerfast RM-150 Repair Mortar.
- The floor must be primed with Hammerfast Primer at least 30 minutes before the Hammerfast SL-270 Rapid leveling screed application.

### Application

- 25 kg Hammerfast SL-270 Rapid leveling screed is mixed with 6,5-7,0 L of clean water with a low speed mixer until a homogeneous mixture is formed.
- The prepared Hammerfast SL-270 Rapid with a fluid consistency should be poured onto the surface. The thickness of the mortar that is scraped with a trowel and spread out on its own should be adjusted with a steel trowel and passed over with a spiked roller.

### Technical specifications

|                      |                                           |
|----------------------|-------------------------------------------|
| Color and appearance | Cream colored fine powder                 |
| Grade                | CT                                        |
| Sieve analysis       | % 0 (Above 710 µm )                       |
| Bending strength     | F7 "7 N/mm <sup>2</sup> " (TS EN 13813)   |
| Compressive strength | C40 "40 N/mm <sup>2</sup> " (TS EN 13813) |
| Heat resistance      | After final drying -5°C /+70°C            |

### Consumption

1,5 kg/m<sup>2</sup> (For 1 mm thickness).

### Points of attention

- Do not add any additives not specified in the application instructions. The product should be used within the pot life after mixing.
- Applied on constantly wet and damp surfaces.
- The ground should be protected from wind, direct sunlight and frost during application.
- Applied on weak and loose surfaces, roughening should be done on very smooth and shiny surfaces.
- Applied in outdoor areas.
- The drying time of the product may vary seasonally, for this reason, Hammerfast SL-270 Rapid should be waited for to dry completely in the applications to be made.
- Application should be made at temperatures between +10 °C and +25 °C.

### Safety Precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Material Safety Data Sheet (MSDS) for further safety information.

### Storage and shelf life

12 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment, away from direct sunlight and temperature between +10 °C and +35 °C. Packages should be kept tightly closed when not in use. Packages should be protected against frost.

### Packing

25 kg.

(1 Pallet = 60 bags = 1500 kg / Pallet sizes 80x120 cm, h=100 cm)

### Cleaning of tools

After the application, wash all equipment used before drying with warm water.