

# TECHNICAL DATASHEET

## FLOMAX<sup>®</sup> SL THERMA

### About Product

**FLOMAX<sup>®</sup> SL THERMA** is a self-leveling, ready-to-use cement and gypsum-based screed specially designed for sensitive applications.

**Product code:** 204.50002

### Application Areas

- Indoors, in leveling uneven surfaces before applying ceramics, marble, parquet, carpet, and PVC
- In homes, hospitals, and offices
- In buildings of educational institutions and hotels
- In malls
- In leveling floors equipped with underfloor heating systems

### Advantages

- Quick and easy application after simple mixing with water
- Does not crack, forms 10 - 40 mm thick layer per pass
- Self-leveling
- High wear resistance
- Can be applied by hands or using a pump
- Forms a perfectly beige surface
- Perfect for floor heating systems
- Despite the gypsum base, can bear cement-based materials

### Technical Specifications

|                                       |                                                                              |
|---------------------------------------|------------------------------------------------------------------------------|
| Composition of material               | Mineral fillers, synthetic additives, polymer, and special gypsum and cement |
| Colour                                | Beige                                                                        |
| Pressure resistance (28 days) minumum | 25 N/mm <sup>2</sup>                                                         |
| Bending resistance (28 days) minumum  | 5 N/mm <sup>2</sup>                                                          |
| Application temperature               | +5°C +25°C                                                                   |
| Application time                      | ~ 35 min                                                                     |
| Term of readiness for exploitation    | 24 hours                                                                     |
| Time to the application of another    | 3 days                                                                       |

*The above figures are valid for +20°C and relative humidity of 50%. High temperatures accelerate the process while low temperatures extend it.*

### Application Guidelines

#### Surface Preparation

Ensure the application surface to be healthy, dry, clean, dust-free, and load-bearing. The surface should be free of any traces of oil, rust, and paraffin that would impair adhesion. Remove excessive debris and

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moisturize the surface. Do not apply under weather conditions with a risk of freezing within 24 hours. Cracks and voids in the surface should be repaired two days in advance with a suitable TAMCRETE<sup>®</sup> repair material. Do not apply in direct sunlight or strong wind. Pre-clean the surface to be treated with water and compressed air. To reduce the surface absorption and the formation of air bubbles during work, prime the surface twice with Flomax<sup>®</sup> SL PRIMER 24 hours before treatment.

#### Preparing the Mix

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Pour water into a clean container, slowly add the FLOMAX<sup>®</sup> THERMA material, and mix using a mixer at 400-600 rpm for 3-5 minutes until disaggregation. After about 3-5 minutes, mix again for 1 minute. Then, the product is ready for use. Do not use the hardened mix by adding water. To obtain a smooth surface, apply the material uninterruptedly. To ensure uninterrupted application, use more than one mixing container depending on the treatment area, and pour and spread the prepared mix on the floor in a uniform manner. After spreading, remove the air from the material with a hedgehog roller.

**Note:** In cold weather, keep material warm for 24 hours before application.

#### Mixing Ratio

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|                  |                       |
|------------------|-----------------------|
| per 1 kg powder  | ~ 0,20 – 0,22 L water |
| per 25 kg powder | ~ 5.0 - 5.5 L water   |

#### Consumption

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~1,80 kg/m<sup>2</sup> of powder per 1mm thick layer.

#### Cleaning Tools

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After application, clean the used tools and accessories immediately with water. If hardened, the product can only be removed from the surface mechanically.

#### Storage Conditions

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Store unpacked in the original packaging (container) in a dry and cool place.

#### Shelf Life

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Under proper storage conditions 12 months from the date of manufacture.

#### Safety Measures

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During the application wear work clothes and use protective gloves, glasses, and a mask according to the working conditions and occupational safety requirements. Due to the irritant effect of the uncured material, avoid contact with skin and eyes; in case of contact, immediately wash the contact area with plenty of water and soap; in case of ingestion, seek medical advice immediately. Food products should not be allowed in the material application areas. Store out of reach of children. For more details, please see the Safety Datasheet.

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#### Liability

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Our company shall only be liable for the product quality. Our company shall not be liable for any use of the product in breach of written guidelines and/or improper use. For more details, please request a product manual or contact our company's responsible officials.

Net weight: 25 kg



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