

TECHNICAL DATASHEET

FLOMAX® SL 220 FLEX

About Product

FLOMAX® SL 220 FLEX is a two-component self-leveling cement and acryl-based screed for industrial floors, containing steel fibers.

Product code: 204.50003

Application Areas

- In the floors of factory, industrial, and warehouse premises
- In car parkings, garages, and roads
- On loading platforms
- In places with rubber wheel car traffic
- In the repair of worn and aged industrial floors

Advantages

- Forms a smooth surface
- Easy and quick to apply
- Can be applied in 4-8 mm thick layers
- High wear and pressure resistance
- Dust-free, strong, and durable
- Perfect adhesion to the surface
- Resistant to mechanical shocks and temperature fluctuations
- Resistant to freeze and thaw cycles

Technical Specifications

Composition of material	Copolymer acrylic dispersion, mineral aggregates, silica fume, steel fiber, and special cement
Colour	Grey
Pressure resistance	
7 days	13 N/mm ²
28 days	21 N/mm ²
Bending resistance (28 days)	8.8 N/mm ²
Breaking strength (28 days)	2.0 N/mm ²
Wear resistance	
Disc CS 17 (weight loss)	245 mg
Disc H22 (weight loss)	301 mg
Application time	30 min
Full hardening time	24 hours
Time to the application of another	3 days
The mix density	1.98 kg/L
Pedestrian traffic open time	48 hours

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Vehicle traffic open time	72 hours
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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 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® 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® SL PRIMER 24 hours before treatment. Prepare FLOMAX® SL 220 Flex for ready-to-treat surfaces according to the mixing ratio. The treated concrete surface hardness should be C20 or Grade 350 minimum, and the surface should be at least 3 weeks old. Surface concrete should have a tensile strength of at least 1.5 N/mm² and a surface temperature of at least +10°C. Do not apply under weather conditions with a risk of freezing within 24 hours. Do not apply in direct sunlight or strong wind.

Preparing the Mix

Pour water into a clean container, slowly add the FLOMAX® SL 220 Flex 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

per 25 kg powder	8 kg B component
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Consumption

~1.93 kg/m² of powder per 1mm thick layer.

Cleaning Tools

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

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Storage Conditions

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

Shelf Life

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

Safety Measures

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.

Liability

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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