

TECHNICAL DATASHEET

FLOMAX® SH 500

About Product

FLOMAX® SH 500 is a high-strength, corundum-filled, cementitious hardener, resistant to heavy mechanical loads, applied in powder form to freshly poured concrete floors.

Product code: 204.50006

Application Areas

- On freshly poured concrete floors in commercial and industrial buildings;
- In underground and ground garages and car parkings;
- In mechanical workshops;
- In car repair and service centers;
- At production sites and warehouses;
- On unloading and loading platforms;
- In places with rubber wheel car traffic;

Advantages

- Easily applied to freshly poured concrete floors.
- Hardens by absorbing the concrete moisture thanks to the polymer in its composition and ensures high mechanical strength by bonding with concrete.
- Resistant to mineral oils; easy to clean and maintain.
- Various color options available.
- 2 times stronger than conventional concrete surfaces.
- Resistant to weather conditions, freeze/thaw cycles, and salt peeling. Therefore, it is ideal for pavements, roads, and car parkings.
- No visible cracks on surfaces with very fine aggregate granules of the same caliber due to the special aggregate granulometry.

Technical Specifications

Composition of material	Polymer, mineral aggregate, and special cement
Colour	Natural (concrete color), grey, red, green, blue
Pressure resistance 28 days	60 N/mm ²
Bending resistance 28 days	10 N/mm ²
Erosion resistance BOHME	A6 (max 6 cm ³ /50 cm ²)
Shock resistance EN 1504-2	Class 1

TECHNICAL DATASHEET

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Material density	1.97 kg/L
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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

FLOMAX® SH 500 is applied in a powder form to the set and smoothed surface of fresh concrete, troweled, and polished. Before pouring the material, spread the cement mix accumulated on the surface using a grinding machine disc, then apply the material. Take 2/3 of the poured material for the first layer. If material is accumulated anywhere, evenly spread it over the surface. The material is expected to absorb moisture from the concrete and take on a watery color. At this stage, compact the material using a polishing bar. Then, compact the rest of the material (1/3 part) on the surface using a polishing bar. Continue troweling with polishing discs until a smooth surface. For best surface performance, apply the hardener immediately after the surface has acquired the desired appearance. For information on the hardener use, please contact sales representatives or technical consultants of our company.

Consumption

Use 4-7 kg/m² of the material, depending on the concrete thickness and the desired surface strength. Use at least 7 kg/m² of hardener on painted surfaces.

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.

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

TECHNICAL DATASHEET

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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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