

LH 230

Liquid Surface Hardener, Dusting Preventive and Polisher

Description

LH 230 is lithium silicate based, capillary effected, low viscosity, liquid surface hardener that protects the surface from dusting and abrasion by being applied on concrete and cement based floors. It penetrates deeply into the surface zone of the concrete and cementitious screeds and reacts to form insoluble calcium silicate hydrate in existing pores.

Fields of Application

- Indoor and outdoor applications,
- In concrete floors, cement based screeds, tile and stone covered floors that are required to be hardened and dust free,
- In factories, industrial fields and mechanical workshops,
- In storages and garages,
- In aircraft hangar and helicopter pad.

Features and Benefits

- Increases abrasion and dusting resistance of cement based surfaces.
- Makes a silky and gloss appearance layer on the surface.
- Creates water impermeable, dust repellent surface.
- Provides permanent and efficient durability.
- Prevents crack formation on the concrete.
- Water vapour permeable.
- Environment friendly.

Technical Data

Content	Lithium silicate
Color	Transparent
Density	1,0 -1,1 g/cm ³
Application Temperature	+2°C to +50°C
Drying Time	
<i>Open to pedestrian traffic</i>	1-2 hours
<i>Full curing</i>	7 days
<i>Max. Sheen Effect</i>	30-90 days

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HS Code	3208.90.91.00.23
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Application Procedure

Preparation of Substrate

Application surface must be dry, clean and clean off materials which prevent bonding, such as dust, oil, rust and loose pieces.

Application Method

LH 230 is ready to use material. It should be applied on the fresh concrete or screed surface with using brush, roller or spray gun uniformly. It must be applied as one layer with filling all the porous. Surface should be looked wet within 15-20 minutes after application. If surface is dried quickly, one more layer application might be needed. The treated surface is ready to use after 1-2 hours. The final strength is achieved after 7 days.

Consumption

For smooth surface; 0,100 – 0,200 kg/m²
For concrete surface with dryshake; min. 0,200 kg/m²

Packaging

30 kg plastic drum

Shelf Life

12 months in original, unopened package.

Storage

Store in dry area between +5°C and +35°C. Protect from heat, freezing and direct sunlight.

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Cleanup Information

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Cautions / Limitations

- Application surface must be standard, concrete type at least C 20/25, screed must be at least EN 13813 CT-C25-F4.
- Fast sheen effect can be achieved by applying dry or wet polishing method with polishing machine.
- It may be harmful with skin contact.
- Do not apply in freezing conditions or during precipitation.
- Protect applied materials from rain, freezing, foot traffic and continuous high humidity until completely dry.
- Do not use when air and surface temperatures are below +5°C and above +35°C.
- Avoid heavy traffic for 24 hours.

Health and Safety

Warning! Cause eye and skin irritation. If eye or skin contact, get immediate medical attention. If swallowed, do not induce vomiting. Call a physician or poison control center. Never give anything by mouth to an unconscious person.

Wash hands thoroughly after handling. Wear protective clothing, gloves, eye and face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Dispose of unused, contents, container and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Keep container closed when not in use. Keep out of the reach of children.

Limited Warranty: This product is subject to a written limited warranty which can be obtained free of charge from BAUMERK Company. Please contact with technical service department for further information and support.