

LH 130

Surface Hardener and Shiner Material for Cement Based Surfaces

Description

LH 130 is sodium silicate based, capillary effect, liquid surface hardener for all kind of cement based surfaces. It penetrates deeply into the surface zone of the concrete and provides permanent hardness.

Fields of Application

- In all type cementitious (old-new) based surfaces,
- In interior and exterior surfaces,
- In needed high mechanical strength areas,
- In factories, warehouses, aircraft hangars, loading areas,
- In garage and parking lots,
- In walkways and sideways.

Features and Benefits

- Provides permanent surface hardness.
- Has high abrasion resistance.
- Protects the surface from efflorescence and cracks forming.
- Prevents dusting.
- Provides gloss and bright appearance to surface.
- Non toxic
- Prevents water loss in fresh concrete during occurring hardness.
- Gives chemical resistance to concrete.

Technical Data

Content	Sodium silicate based
Color	Transparent
Density	1,15-1,25 g/cm ³
Compressive Strength	Improve 35-40 %
Abrasion Resistance	Improve 30-35 %
Impact Resistance	Improve 10-15 %
Application Temperature	+5°C to +40°C
Curing Time	

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<i>Open to pedestrian traffic</i>	<i>2 hours</i>
<i>Full curing</i>	<i>7 days</i>
HS Code	3208.90.91.00.23

Application Procedure

Preparation of Substrate

Application surface must be solid, sound and clean off materials which prevent bonding, such as dust, oil, paint, curing materials, detergent, grease, silicon etc. Any water accumulation is not on the surface and surface should be able to take foot traffic.

Application Method

LH 130 is ready to use material. It should be applied on the fresh concrete or screed surface with using spray gun or direct pouring uniformly. Surface should be looked wet within 30 minutes after application. If surface is dried quickly, one more layer application might be needed. After this time, surface is processed by a surface cleaner machine or a soft-hair broom/brush until a jell-like form is achieved on the surface during 30 minutes. This process makes deeply penetration into the concrete. After that surface is rewetted and process is applied again with using soft-hair broom/brush until slippery/jell like form is obtained. After the application ends, the surface is rewet and excess material is removed from the surface. After the application, there is no any slippery areas. According to weathering conditions, the treated surface is ready to use after 1-2 hours. The final strength is achieved after 7 days. Last brightness is achieved 30-90 days.

Consumption

0,200 – 0,400 kg/m² according to surface absorbency.

Packaging

30 kg plastic drum

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Shelf Life

24 months in original, unopened package.

Storage

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

Cleanup Information

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

Cautions / Limitations

- Do not use on lightweight concrete blocks, intense bubble content porous walls and floor coatings.
- If applied on floor coating surface, floor covering must be removed and applied after getting a sound surface.
- Do not apply on glass and similar surfaces.
- Gloss will be increasing by time with cleaning the surface.
- 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

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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.