



KOREHARD

DESCRIPTION

Korehard is a hardening silicate based mixture resists the abrasion of concrete.

The chemical works to convert the weak components of concrete (Calcium Hydroxide) into a mineral crystal (Calcium Silicate Hydrat) and to fill the hole completely in concrete.

Korehard is designed for use in the polishing process, making concrete harder and denser. Korehard can also be used as a economic protective cover and is a good solution for professional concrete floors.

ADVANTAGES

- Increased hardness and abrasion resistance, reclining the color of concrete floors.
- Dust prevention.
- Easy to penetrate, does not require complex preparation when applied as sodium silicate based hardening agents.
- Easy to use. Overdose is also easy to handle.
- Water-based, non-VOC and environmentally friendly products.

RECOMMENDED USE

- In wooded, electronic, garment... factorys
- Warehouses
- Supermarkets, restaurants, shops...
- Parking lot

COVERAGE

Approximately 12 sqm per kg (12 m2/kg) with Mac > 250 (TCVN).

APPLICATION METHOD

Surface preparation

The surface should be clean, free from dirt, grease, stains or agents that interfere with the osmosis process.



It is best to use sandpaper to clean and roughen the surface. For large surfaces, use a specialized floor polishing machine with a grinding disc or a suitable pad.

The surface should be dry and easy to penetrate.

Applying Korehard

Stir well before preheating. Do not make sure to make a foaming action. Covering with the cylinder according to the concentration allowed.

It is best to dilute the solution with clean water at the ratio of 1: 1 and then apply 2 coats.

Chemicals should be absorbed and dry within 30 to 60 minutes. In case of too much coating, the chemical will be deposited and water should be cleaned.

Dry weather will make chemicals faster to dry.

Korehard can be used after every polishing step, starting from the plastic plate Should cover at least 2 layers of chemicals after 2 different polishing steps. After the solution has penetrated and drained, continue polishing.

PRODUCT PROPERTIES

Solid by volume	22%
Gravity	1.16
pH	11.3
V.O.C content	< 1 g/L
Explosion point	N/A
Freezing point	0 oC
Shelf life	12 months

CONCRETET PROPERTIES AFTER APPLYING KORETOP

Abrasion	Abrasion resistance increased by 35% with concrete Mac 250 TCVN Measuring device for grinding, H22 grinding wheel, 1000 rounds, load 1000 gram ASTM D 4060
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Hardness	Hardness Moh's increases from 4 to 6 with concrete Mac 250 TCVN
Glossness	Gloss increased from 4.5 GU to 25 GU. The gloss increases from 4.5 GU to 76 GU with the finished surface processed by Korehard. The method of gloss measurement is carried out with 85 degree angle ASTM D 523

SAFETY

Treatment of excess chemicals must comply with local regulations. Whether non-toxic and user-friendly, but strong, it can cause irritation. When shot in the eyes, rinse immediately with water and see a doctor if symptoms persist.

Rinse when dropped into the skin. Do not drink. If you drink, do not induce vomiting but drink plenty of water and call your doctor right away. Avoid eye contact. Should use full protective equipment when construction. New surface coated with chemicals can be slippery

NOTE

Do not allow chemicals to freeze. Gently shake before use. Do not walk on the floor until the chemical is dry.

Protect the neighborhood when construction. Immediately clean the area with wet cloth and soap.

It is recommended to test in a small range before construction to estimate the use norms, material characteristics of the surface and desired after use.

PACKING SIZE

Small size: 25 kg/can

Big size: 200 kg/drum

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