

SILIKAT FLOOR SKF-201-1K WB

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Revision : 00
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SKF-201-1K WB is an advanced lithium silicate hardener and densifier for concrete surface. This lithium silicate treatment deeply penetrates and reacts with the concrete to produce insoluble calcium silicate hydrate within concrete pores. This product provides a more effective alternative than conventional sodium and potassium silicate. It provides :



1. Excellent penetration
2. Eliminating dust from concrete
3. No odor, water based system
4. Excellent abrasion resistance
5. Good water resistance

PRODUCT SPECIFICATION

Type	: One component lithium silicate floor densifier
Color	: Clear to hazy
Solid by weight	: $\pm 12\%$
Specific gravity	: ± 1.00 gr/cc
Material consumption	: 0.10-0.20 L/m ² (depends on concrete porosity)
Drying time	:
Surface dry	: 4 hours (30°C)
Hard dry	: 1 day (30°C)
Packaging	: 1, 5 and 20 liter
Storage stability	: 24 months stored in cool dry place and in the original packing
Thinner	: Water
Application method	: Spray
Application temperature	: 10-35°C

Provide adequate ventilation during application and drying

TEST PERFORMANCE DATA

Abrasion Resistance	: Untreated (K250) : ± 100 mg loss (1000 g, 50 cycles, 60 RPM ASTM D-4060 CS-17 Wheel) Liquid Hardener (K250) : ± 70 mg loss (1000 g, 50 cycles, 60 RPM ASTM D-4060 CS-17 Wheel)
Bonding strength	: > 1.5 N/mm ² (concrete failure by ASTM D-4541)
Mohs Hardness	: Mohs Scale 4 (on polished concrete with diamond polishing pad grit 800 after 28 days) (Untreated concrete : Mohs Scale 2)

SURFACE PREPARATION

1. Fresh Concrete (≥ 7 days)
The concrete must be prepared by suitable power or manual floating/tamping techniques. Fresh concrete must be free of bleed water and must have sufficient strength.
2. Old Concrete (≥ 28 days)
The substrate must be prepared by suitable cleaning method such as high pressure water cleaning or by ride-on cleaning machine. Allow drying prior to application. Surface must be clean, and free from loose particles before application, preferably by brush and/or vacuum. Clean oil, grease and wax using scrubbing method by industrial grade detergent or degreasing compound followed by mechanical cleaning.

APPLICATION

Function	Product and Tools	Coating amount	Curing Time
Liquid Hardener	<ol style="list-style-type: none"> 1. Clean the substrate and buff with red pad. 2. Apply SKF-201-1K WB continuously to form layers by using high volume low pressure spray unit. 3. Scrub the material into the surface with a bristle broom and mop. 4. Re-work the floor 10-20 minutes. On porous or rough surface, a second coating is required. 5. After drying buff with white pad. 	0.10-0.20 L/m ² (depends on concrete porosity)	± 24 hrs (30°C)

SAFETY PRECAUTION

This product does not contain aromatic solvent. It does not contain formaldehyde or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as working suit, goggles, masks, and safety gloves. Use barrier cream.

This product is not flammable.

For more information, please refer to our safety data sheet

FIRST AID:

- Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice.
- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice.
- Ingestion : Provide symptomatic treatment and seek medical advice.
- Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration.