

FIBSEAL SS 50

Hardening, Sealing and Dustproofing Compound

Product # 114.32
Version no: 17.5.22

Product Data Sheet

PRODUCT DESCRIPTION: Fibseal SS 50 is inorganic sodium silicate based compound blended with proprietary Chemicals for surface application to harden, seal and dustproof concrete. It can be used on all new concrete surfaces whether fresh or already cured and can be used on older, dusting concrete surfaces.

AREAS OF APPLICATION

- Interior or exterior horizontal concrete
- Educational and medical facilities
 - Office and multi-residential buildings
 - Warehouse floors
 - Food storage areas

ADVANTAGE

- Can be tiled over
- Seals, hardens and dustproofs in one operation. No solvent vapors when applying
- Mortar and concrete can be easily removed from a Fibseal SS 50 treated floor. Resists penetration of oil, chemicals and deteriorating actions of salts

APPLICATION

SURFACE PREPARATION

- Prepare the surface by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air. Remove any old painting using a surface grinder.
- For best bond, concrete surface be prepared as per CSP 1, 2 or 3.

MIXING

Fibseal SS 50 is ready to use and requires no premixing.

APPLICATION

Apply Fibseal SS 50 to a concrete surface @ 140-145 gms/m². Best results will be achieved with a soft bristle brush or squeegee may also be used. Brush out all puddles and runs immediately. Concrete abrasion resistance increases with additional coats of Fibseal SS 50 if the surface is more porous.

APPEARANCE

Fibseal SS 50 is a semi clear liquid, which dries transparent. After placing, the color of the concrete may initially appear darker than the surrounding concrete. As the sealer cures and dries out, the treated concrete will have a nearly unaffected appearance in dry weather. Treated concrete will slightly bead water.

COVERAGE

140-150 gms of Fibseal SS 50 will cover 1m² of concrete surface depending upon the porosity of the concrete and job requirements. The following rates of coverage are approximate. Additional Coats-After initial coat, additional coats may be required to seal the surface. The coverage will increase with each additional coat.

Note: two or three coat can crack after dry on normal concrete surface.

CLEAN UP

Clean all tools immediately after use with water. Do not allow material to harden. Any hardened material will need to be removed mechanically.

TECHNICAL SPECIFICATIONS

Appearance	Transparent/Colorless liquid
V.O.C	0 g/l
Cure Time	
Foot Traffic (42°C)	1 hours
Wheel Traffic (42°C)	2 hours
Abrasion Resistance (ASTM C779)	45 % improvement
Hardness Test (Moh's Scale Test)	40% improvement
Total solid content	49-51% (approx.)
Specific Gravity at 31.6°C	1.40±0.2
pH(pH paper)	11
Chloride Content	Nil
Maximum Coverage	155-160gms/m²

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not apply Fibseal SS 50 on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %. Consult fibrex before using Fibseal SS 50 in those areas.
- Do not apply Fibseal SS 50 to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.
- Do not apply Fibseal SS 50 over treated expansion joints.

FIBSEAL SS 50

Hardening, Sealing And Dustproofing Compound

Product # 114.32
Version no: 17.5.22

data
Tech

Please contact FIBREX for installation of floor coating over

- Oil / Fat rigged floors
- Floors with moisture content over 4 %
- Floors with rising moisture problem
- Asphalt based floor (interior)

PACKAGING

Fibseal SS 50 is packaged in (200 kg) drums and (20 kg) buckets.

STORAGE

Store the material at temperatures between + 10° C and + 45° C in originally sealed packages, the material can be stored for 12 months. But before opening the drums/buckets. Open containers of material should be used quickly to avoid moisture contamination.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of the product should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

DISCLAIMER:

Fibrex Construction Chemicals pvt. Ltd. products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

FIBREX OTHER PRODUCTS – WE DO

