

FIBSILICON WB

Colorless water Repellent Surface Treatment

Product # 114.113

Version no: 16.11.23

Product Data Sheet

PRODUCT DESCRIPTION: Fibsilicon WB is water based liquid compound, which penetrates the pores of treated material and provides a durable, invisible and highly effective water repellent film. Fibsilicon WB generally dries tack-free in two to four hours. It protects masonry surfaces from moisture absorption, dirt and dust. It waterproofs the plaster and resists the growth of fungus on it.

AREAS OF APPLICATION

- To treat above ground masonry surfaces such as brick, concrete, stone wall etc.
- For interior use, treating the joints of tile surfaces subject to contact with water, such as school corridors or washrooms.
- On stone surfaces, cladding on exteriors of buildings, concrete panels and all calcareous building materials.
- For treating plaster, granite or acoustical concrete and other insulation and in plant treatment of masonry units.
- To treat cement painted or sand textured surface painted plaster on outside walls.

ADVANTAGE

- Invisible or transparent
- Keeps water out but let's dampness escape
- Minimizes efflorescence
- Reduces cracking and deterioration
- Keeps masonry clean and anti-fungus
- Penetrates properly due to nano technology

APPLICATION METHODOLOGY

SURFACE PREPARATION

- Cracks and open joints must be tuck-pointed and all loose particles, dirt, grease and wax removed from the surface. Silicone solutions will not cover structural defects or bridge cracks.
- Should be applied to dry surfaces only. For best results 3 days should lapse after a heavy rain and should not be applied if rain is expected within the next 6 hours. Either apply by brush or spray.
- It should be applied in two coats. Second coat should be applied after first coat is dry.

MIXING

Fibsilicone WB requires no pre-blending and should be used directly from the container but stir well before use.

APPLYING AND LAYING

Apply at a uniform coverage by spray or roller application. Product may be sprayed with a hand held "pump-up" sprayer or with an airless industrial sprayer.

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		Clear to Translucent liquid	
Coverage(in two coats)		5-6m²/kg	
Specific Gravity		1.16±0.02	
Viscosity @20°C(Ford Cup)		15 Sec	
Solid Content		22.15±0.02%	
Water Absorption of Treated Masonry			
Masonry Material	Exposure Hours	Untreated (Percent water absorption)	Treated (Percent water absorption)
Common Brick	24	16.35	00
Common Brick	168	16.90	0.01
Mortar Cubes	72	9.04	0.66
Indiana Limestone	72	3.76	0.18

Note: All samples given a 5-second dip in Fibsilicon (WB) cured for 40 hours and then immersed in ¼" water.

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 Fibsilicone WB 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 Fibsilicone WB in those areas.
- Do not apply Fibsilicone WB to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets.
- Do not apply Fibsilicone WB over treated expansion joints.

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)
- Floors with a pull off strength less than 1.5 N / mm²

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PACKAGING

Fibsilicon WB available in 5 kg can, 15 kg can set, 20 kg bucket and 200 kg barrel.

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, be assured that the temperature of the materials has the ambient temperature to avoid condensation. Open containers of material should be used quickly.

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 any of the component products 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.

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