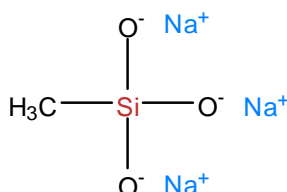




PRODUCT NAME

SiSiB® WR0772: Water-dilutable sodium methyl silicate solution

CHEMICAL STRUCTURE



FUNCTION

SiSiB® WR0772 Siliconate is a nonflammable, water-dilutable solution of sodium methyl silicate (Sodium silicate) developed to impart water repellency to a wide variety of natural stone and masonry surfaces. The silicate reacts with carbon dioxide in the air to form an insoluble repellent surface and reduce water absorption within 24 hours.

It is suitable for the surface of natural stone, like sandstone, limestone, and red brick, gray brick, granite, ceramics etc.; it is not suitable for polished or glazed surfaces.

FEATURE

- Reduces water absorption into the substrate, thus reducing spalling due to freeze-thaw and efflorescence, thereby increasing the life of the substrate.
- Colorless and non-yellowing protection preserves the natural appearance of the substrate. Will not form a surface film or gloss.
- Treated surfaces retain natural vapor permeability.
- Suitable for interior and exterior surfaces.
- No solvent odor.
- Non-flammable.

Power Chemical
ISO9001 ISO14001 certified



TYPICAL PHYSICAL PROPERTIES

CAS No.	16589-43-8
EINECS No.	240-648-3
Formula	CH ₆ O ₃ Si.xNa
Flash Point:	>100°C
Color and Appearance	Colorless clear liquid
Solid Contents	30%
Silicone Solids Contents	19%
pH Value	12~13
Density _{25/25°C}	1.25

APPLICATIONS

SiSiB® WR0772 is supplied concentration of 30 percent in water; SiSiB® WR0772 is usually diluted to a concentration of 3 percent or less before application. To prepare a 3 percent solution, mix one liter SiSiB® WR0772 as supplied, with 11 liters of water.

Application should be avoided on extremely windy days to avoid rapid evaporation of the water carrier.

After application of the silicone solution, the treated surface should be allowed to dry at least 24 hours to develop maximum water repellency.

APPLICATION METHODS

Dilute solutions of SiSiB® WR0772 Siliconate can be applied by dipping, spraying or brushing.

Surfaces to receive water soluble silicone should be lightly dampened immediately prior to application.

When spraying SiSiB® WR0772 Siliconate, great care should be taken to protect nearby vegetation or articles from overspray. The material is very caustic. It will damage or kill vegetation and will stain or etch glass, plastic, aluminum and most metals. If contamination does occur, wash immediately with water. Due to the high solvent resistance of the cured material, water repellent that has dried on glass must be scraped, and other surfaces may require sandblasting. If a white precipitate of Na₂CO₃ should form



SiSiB® WR0772 Water Repellent

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due to the use of too concentrated a solution of water repellent, rundown, overlapping, or second coating, sand blasting or wire brushing may be necessary to remove it if water does not.

PACKING AND STORAGE

SiSiB® WR0772 is packaged in net weight 230kg steel drum or net weight 1100Kg IBC tote.

In the unopened original container SiSiB® WR0772 has a shelf life of 24 months in a dry and cool place.

NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: silanes@SiSiB.com

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