

SiSiB[®] WR1001

Masonry Water Repellents

INTRODUCTION

SiSiB[®] WR1001 is a water-thinnable, solventless silane/siloxane emulsion. Dilute solutions of SiSiB[®] WR1001 serve as high quality, general-purpose water repellents for impregnating and priming mineral surfaces.

SiSiB[®] WR1001 contains a stabilized mixture of silanes and siloxanes that are susceptible to hydrolysis. Hydrolysis occurs only after application to the substrate, which breaks the emulsion. Alcohol is released and the emulsion is converted into a silicone resin water repellent.

SiSiB[®] WR1001 reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".

TYPICAL PHYSICAL PROPERTIES

Color and Appearance	Milky white
Density _{25/25°C}	0.95
Active Ingredient	40%

APPLICATIONS

Dilute SiSiB[®] WR1001 is an excellent water repellent for many absorbent mineral and even highly alkaline substrates, such as bricks, concrete, sandlime brick, natural sandstone and mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone and marble.

Owing to its aqueous consistency and storage stability when diluted, SiSiB[®] WR 1001 is ideal for in-plant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibers and lightweight aggregate.

SiSiB[®] WR1001 may also serve as water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters, as well as for concrete coatings.

DILUTION AND PROCESSING

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Tap water is suitable for preparing solutions of SiSiB[®] WR1001 for use as facade water repellent or primer. We recommend an active substance content of 6-12% (dilute the product in the ratio 1:4 to 1:9), the exact figure depending on how absorbent the substrate is. For adequate penetration on very high quality concrete, it may be necessary to dilute only 1:2.

Apply the ready-to-use solution in the usual way; flooding is the preferred way. Two "wet on wet" coats are needed to ensure complete coverage. Owing to the content of wetting agent in SiSiB[®] WR1001, reimpregnation at a later date does not present any difficulties.

If it starts to rain, stop treatment and cover the impregnated areas.

PACKING AND STORAGE

SiSiB[®] WR1001 is supplied in 25Kg and 200Kg drum.

In the unopened original container SiSiB[®] WR1001 has a shelf life of at least 9 months in a dry and cool place.

Storage beyond the date does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

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: support@SiSiB.com.