



# W9

## WATER REPELLANT

MASONRY WATER REPELLENTS

### WATERPROOFING

Bond 9000 is a water-thinnable, solventless emulsion, based on a mixture of silane and siloxane. Dilute solutions of Bond 9000 serve as high quality, general-purpose water repellents for hydrophobic impregnating and priming mineral surfaces. Mineral substrates treated with Bond 9000 are especially characterized by an excellent beading effect. Moreover Bond 9000 can be used for the mass hydrophobation of non-load bearing concrete products.

### PROPERTIES

Bond 9000 emulsion 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.

Bond 9000 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".

### SPECIAL FEATURES

- good depth of penetration
- rapid development of water repellency
- highly durable and effective beading effect
- tack-free drying
- provides good adhesion for paints
- water-based and environmentally compatible
- stable in storage, even when diluted

### APPLICATION

Bond 9000 is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand- lime brick, natural sandstone and

mineral plasters. It is not so suitable for less absorbent, dense natural stone, especially limestone, marble and reinforced concrete for bridges and roads.

Owing to its aqueous consistency and storage stability when diluted, Bond 9000 is ideal for inplant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement, mineral fibers and lightweight aggregate.

Bond 9000 may also serve as a water-repellent primer for emulsion paints and plasters, silicone resin emulsion paints and silicone resin plasters.

### PRODUCT DATA

Typical general characteristics	Value
Appearance	milky, white
Active substance	50 wt. %
Density	0,95 g/cm <sup>3</sup>
Viscosity, dynamic at 25 °C	approx. 12 mPa.s
These figures are only intended as a guide and should not be used in preparing specifications.	

### STORAGE

The "Best use before end" date of each batch is shown on the product label.

Storage beyond the date specified on the label 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.

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### PROCESSING

Processing as a Hydrophobic Impregnating Agent:

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

Processing as a Concrete Admixture (Water Resisting Admixture):

The recommended admixture range of a 1 : 4 Bond 9000 is 1.0 % to 5.0 % of the cement content. A significant reduction in water uptake can already be achieved at a concentration of 1.0 % of the cement. Bond 9000 is added either simultaneously with or immediately after the mixing water – it should never be added along with other additives. To keep a constant w/c value the total mixing water is reduced by amount required earlier for dilution. We recommend testing compatibility with other concrete admixtures separately. A longer mixing time will thoroughly distribute the product within the overall system, which in turn will make it highly effective.



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