



## **SB 2458 Concrete Consolidant with Water Repellent**

SB 2458 is a penetrating treatment for stabilizing and consolidating most porous masonry surfaces including natural stone, unglazed terra cotta, cast stone and architectural concrete. Masonry that has been previously damaged by abrasive cleaning methods, masonry suffering from erosion and surfaces that have begun to lose their surface integrity for various reasons are often saved by the use of a treatment like SB 2458. Unlike most other consolidants, SB 2458 also contains ingredients that impart moderate water repellency.

SB 2458 reacts with the masonry matrix to recreate lost binders and minerals to improve the density, strength, and structural integrity of the masonry substrate. Porosity is reduced but the surface is not sealed against water vapor transport. Depending on the nature of the original surface and the amount of SB 2458 used, the treated surface will develop resistance to water absorption and reduced deterioration from freeze/thaw cycles. In general SB 2458 can penetrate more deeply than the solvent borne products and will lead to better bonding of the highly consolidated surface layers with the interior structure of the masonry. This avoids the creation of stress points below the surface where highly consolidated and non-consolidated layers meet thus reducing freeze/thaw induced spalling.

This product will not penetrate modern, dense, clay brick or glazed tile and, if the product is allowed to dry on them, a difficult to removed white film may develop. Similarly if an otherwise porous masonry surface has been previously treated with a sealer or water repellent, this product is unlikely to penetrate the surface. If the primary objective is to improve the water resistance of the mortar between nonporous masonry, it is recommended to use one of ShoreBest's siloxane based water repellants instead of the SB 2458.

### **Preparation**

SB 2458 acts like a sealer or binder to the masonry and it will seal in dirt and stains. The time to do cosmetic cleaning and improvements is before treatment. Clean all surfaces that will receive treatment with the appropriate ShoreBest restoration cleaner and repoint as needed. Penetration and properties improvement are better on masonry that is free of dirt and organic contaminants.

Provide protection for non-masonry surfaces (especially glass), aluminum window frames and trim, foliage, vehicle and pedestrian traffic. Protect all surrounding areas and structures from possible damage, which might occur from spillage or over spray during usage.

All projects should start with a test application to a properly cleaned and thoroughly dry surface to determine the suitability of the treatment and acceptable application method. Using the method to be used on the project, apply an area of 10 square feet to calculate coverage rate per gallon and to determine if there will be any unacceptable change in the appearance of the surface. Low-pressure spray application, using the wet on wet method, is the preferred method of application. Unlike most masonry cleaning projects the intent with SB 2458 treatment is to have as much material penetrate the substrate and be absorbed as possible. When possible, the test area should be left to age for 10 or more days to check for possible adverse reactions such as unacceptable appearance changes to the surface.

### **Dilution and Coverage**

Dilution: Product used undiluted -- test application recommended

Coverage: Dependent upon substrate and other conditions

### **Application**

All masonry surfaces must be dry and free of any agent or agents that will prevent penetration of the fluid. The best results are obtained when surface and ambient temperatures are between 40 and 95 degrees F. Avoid application on windy days to avoid rapid evaporation.

Apply a soaking spray to clean, dry masonry. Work in sections small enough so that repeat applications can be done before the surface dries out from the previous application. Do not allow the product to pond in low areas. Roll or brush out to avoid potential white spots. Depending on the porosity of the substrate and degree of improvement desired, usually three applications are specified. Before the last application is dry it is generally desirable to lightly spray or mist the treated area with clean water to drive the treatment deeper into the masonry. This is particularly important in hot dry weather when premature drying of the product can lead to unsightly and difficult to remove white deposits on the surface. Within reason, the longer the surface is kept wet, the better the overall results. Post treatment rainfall will not harm the product. In some cases, brush application may be acceptable. The maximum consolidation effect will take place within a day or two but the complete curing of the water repellent component may require a week or more to achieve its full potential.

DO NOT ALTER THE PRODUCT -- SB 2458 is to be applied as received from the factory. If the fluid comes in contact with glass or other non-masonry surfaces, remove immediately with water and/or a mild alkaline cleaner and dry with a rag. Dried on product is difficult to remove.



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### **Technical Data**

Appearance: Clear Liquid	pH: 12.5
Biodegradable: Yes	Rinsing: Complete
Flash Point: NA	Solubility: 100%
Foaming: NA	Stability: Good
Odor: None	Wetting Ability: Excellent

### **Safety**

Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled.



**DANGER**

Refer to product SDS or product label for hazard statements, precautionary statements and safety information

### **Warranty**

Shore Corporation warrants that this product conforms to the chemical composition described in the Product Label. SHORE CORPORATION EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Shore Corporation shall not be responsible for any direct or consequential damages sustained as a result of the use of this product. Further, Shore Corporation shall not be liable for personal injuries, property damage or any other damages as a result of the use of this product, the sole responsibility of Shore Corporation under the within WARRANTY being the replacement of any nonconforming product. Acceptance and use of this product absolves Shore Corporation from any other such liability whatsoever and from whatever source. The within WARRANTY may not be modified or extended by Shore Corporation representatives or distributors, neither of which are empowered to make any product representation inconsistent with the terms hereof.

### **Contact**

Trained representatives are available to assist with project assistance and product recommendations. Call **412/471-3330**.