



### **SB 2305 Oxidation Stain Remover**

SB 2305 Oxidation Stain Remover is designed to help reverse unwanted color changes in metal containing natural stone that are caused by improper cleaning or uneven weathering. Many types of sandstone and some limestone contain natural iron and iron oxide pigments that provide desirable coloration. Upon exposure to oxygen, water, acid cleaners and sunshine, the nature of the natural pigments can change and generally become darker shades or red and orange. In most cases the gradual weathering is welcomed and the building develops a desirable natural patina. In some cases variations in the bedding plane orientation of cut stone, or more often, improper cleaning with strong acid cleaners greatly accelerates the rate and uniformity of color change.

SB 2305 is designed to mitigate the color change caused by the reaction between natural pigments within the stone with the environment. SB 2305 can be used for the removal of rust stains caused by rusting of overhead metal but SB 2300 or SB 2301 may work quicker.

#### **Preparation**

Provide protection for foliage, vehicle and pedestrian traffic. Test all surfaces that might be exposed to the cleaner for possible adverse reactions. Protect all surfaces and surrounding areas from possible damage which might occur from spillage or spray during usage. All projects should start with a test application to determine the suitability of the cleaner, acceptable application method and possible dilution ratio. Unlike almost other masonry cleaning applications where the soiling is only on the surface, this product is designed to react with materials both on the surface and below the surface. The cleaner needs to penetrate into the stone so **you should NOT pre-wet the surface** prior to the application of the stain remover. Test areas involving the worst condition should be done prior to the start of general cleaning. The color change occurs gradually and the full extent of the reaction may not be apparent for a few hours. The test area should be left to dry for at least 24 hours to allow for possible negative reactions to occur that might require the alteration of the cleaning method.

#### **Dilution and Coverage**

Dilution: 0 to 3 parts water to 1 part product -- test application recommended

Coverage: Dependent upon substrate and other conditions

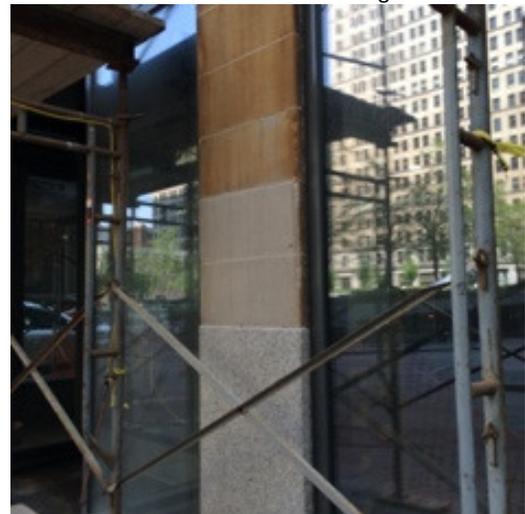
#### **Application**

Apply SB 2305 by masonry acid brushes or low-pressure spray. Spray application at pressures greater than 40 psi should be avoided. Since the goal is to have the product soak into the porous stone, the product is applied heavier than most other cleaners. Especially when applied by brushing, it may take several more brushfuls to cover an area. Apply SB 2305 only to dry masonry to assure absorption. Depending on the results of the project's pretesting trials, it may be necessary to apply more than one coat of SB 2305. In most cases this can be done within 20 or 30 minutes if the masonry has dried enough to accept another coat. It normally is not necessary to rinse in between coats. A final rinse to remove excess product and dissolved contaminants should be done.

SB 2305 Oxidation Stain Remover is for use by professional contractors only. Do not use this product on any polished masonry surface. This cleaner contains ingredients that might remove color from colored mortars. A thorough rinsing is required. In any type of water repellent or protective

treatment is going to be applied after the use of SB 2305, allow about a week or a few rain events to go by before application of the treatment. Contact with metal may result in discoloration.

Photo of Product Test Panel using SB 2305



Before/After Using SB 2305 on Union Trust Project in Pittsburgh





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#### **Technical Data**

|                          |                            |
|--------------------------|----------------------------|
| Appearance: Clear Liquid | pH: 1 in Concentrate       |
| Biodegradable: Yes       | Rinsing: Complete          |
| Flash Point: None        | Solubility: 100%           |
| Foaming: Low             | Stability: Good            |
| Odor: Mild Solvent       | Wetting Ability: Excellent |

#### **Safety**

Causes severe skin burns and eye damage. May cause respiratory irritation.



**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**.