

# SILOXANE WB

**A CLEAR, WATERBORNE, PENETRATING, WATER REPELLENT  
APPLIED OVER UNTREATED MASONRY AND CONCRETE SURFACES**

**SILOXANE WB** is an interior/ exterior-grade, clear, waterborne, penetrating, water repellent designed to be applied over a variety of untreated, properly prepared substrates including brick, concrete, concrete pavers, concrete block, stucco, limestone, granite, sandstone, terra-cotta and natural stone. Siloxane WB provides excellent water repellency helping to reduce cracking, spalling, freeze/thaw and chemical damage, mold and mildew growth and dirt pick-up, thereby lengthening substrate life and reducing maintenance cost. Siloxane WB dries clear on most substrates maintaining the natural appearance of the substrate.

## **USES and ADVANTAGES**

- Water repellent for brick, concrete, concrete pavers, concrete block, stucco, limestone, granite, sandstone, terra-cotta and natural stone.
- Breathable, does not form a film.
- Dries clear on most substrates maintaining the natural appearance of the substrate.
- Low odor and VOC compliant.
- May be used for interior or exterior and vertical or horizontal surfaces.

## **SURFACE PREPARATION**

Siloxane WB is designed to be applied over untreated concrete and masonry surfaces. For optimum performance all new masonry, concrete and stucco must age at least 28 days prior to application. Surfaces to be coated must be **DRY**, sound and clean. Siloxane WB will not fill voids or bridge cracks. All deteriorated mortar joints, voids and cracks must be re-pointed or patched with Umaco U-Patch or equivalent and

then allowed to cure. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond.

## **SEE WARNING ON BACK PAGE REGARDING PAINT REMOVAL.**

A dry removal method such as a sand or shot blasting procedure will ensure a proper surface preparation. Wet cleaning may also be used. If the size of the job does not justify the costs of such equipment, all preparations may be accomplished manually. All oil and grease must be scrubbed with a degreasing compound, rinsed thoroughly then allowed to dry. After cleaning oil or grease spots, sprinkle a little water on the cleaned surface to check for residual contamination. Oil or grease is still present if the water forms small globules. If the water is quickly absorbed, the surface is clean. Efflorescence must be washed with a mild solution of muriatic acid and water, rinsed thoroughly then allowed to dry.

**Always perform a spot test (of sufficient size) prior to application in order to ensure compatibility between Siloxane WB and the substrate as well as to confirm that the appearance and performance are acceptable.**

## **APPLICATION**

**Stir thoroughly before use and occasionally during application.** Apply with a high quality brush, airless sprayer or a conventional low pressure pump sprayer. Cover and protect all adjacent surfaces from overspray. Do not apply by spray in windy conditions. On vertical applications, start at the top and work down side to side with a six

inch run. Saturate the surface so that enough excess flows down and can be covered by the next pass. On horizontal surfaces, saturate while applying evenly but do not allow to pond or puddle. If applying two coats (vertical or horizontal), use a "wet-on-wet" procedure avoiding drips and runs. Water beading can be seen within hours after air drying and will increase over the following one to four days.

## **COVERAGE**

Please note that coverages will vary depending on the texture and porosity of the surface being coated.

### **Approximate coverage per gallon:**

Concrete Block.....	80-100 sq. ft.
Concrete Pavers.....	80-100 sq. ft.
Porous Brick.....	80-100 sq. ft.
Limestone.....	80-100 sq. ft.
Stucco.....	80-125 sq. ft.
Granite.....	80-125 sq. ft.
Concrete.....	80-125 sq. ft.
Dense Brick.....	100-125 sq. ft.

## **PERFORMANCE DATA**

**Reduction in Chloride Ion Absorption.....90%**  
(NCHRP 244 Series II)

**Reduction in Chloride Ion Absorption Accelerated Weathering Tests, Southern Exposure.....88%**  
(NCHRP 244 Series IV)

**Reduction in Water Absorption in 62.5 mph Wind Driven Rain.....91%**  
(ASTM E514-05c)

**Scaling Resistance Exposure to Deicing Chemicals and Freeze Thaw Cycles (50 cycles).....**  
**0 (no scaling), 0 (no mass loss)**  
(ASTM C-672)



**60 REAR NEWHALL STREET**

**LOWELL, MA. 01852**

**PHONE: 978-453-8881**

**FAX: 978-453-2416**

**Drying Time (70 °F (21 °C); 50% R.H)**  
 To Touch.....1 hour  
 To Handle.....1 hour  
 For Pedestrian Service.....24 hours  
 For Vehicle Traffic.....72 hours

**Permissible temperatures during application:**  
 Material.....50 °F-100 °F (4 °C - 38 °C)  
 Ambient.....50 °F-100 °F (4 °C - 38 °C)  
 Substrate.....50 °F-100 °F (4 °C- 38 °C)

**LIMITATIONS**

- Surfaces to be treated must be completely dry.
- For horizontal applications, allow 24 hours prior to pedestrian service and 72 hours for vehicle traffic.
- Do not apply if rain or any other precipitation is expected within 48 hours.
- Apply only when ambient and surface temperatures are between 50 °F-100 °F (4 °C - 38 °C) and will remain so for at least 48 hours.
- Substrates treated with Siloxane WB may be difficult to coat with latex paints.
- Always perform a spot test in order to ensure compatibility when applying a coating over a substrate treated with Siloxane WB.
- Automotive fluids, battery acids, garden chemicals, etc. should be wiped up immediately to prevent staining.
- Close container after each use.
- This product has a shelf life of 12 months provided product is stored in a tightly closed container and protected from sunlight.
- Protect from freezing.
- Before using this product, make sure you obtain, read and fully understand the Material Safety Data Sheet (MSDS).

**WARNING!** Prevent all skin and eye contact and breathing of vapors and spray mist. **USE ONLY WITH ADEQUATE VENTILATION.** Wear protective equipment as specified on the MSDS, including appropriate NIOSH approved respiratory protection where ventilation is inadequate and/or product vapors and dust are present. May produce toxic decomposition products. Mist or vapor generated by spraying this product may be harmful if inhaled. **FIRST AID:** If swallowed, gently wipe or rinse the inside of mouth with water. Warm water may be given if person is alert. If skin/ eye contact occurs, flush the affected areas with warm water for at least 15 minutes. Remove contact lens. A mild soap may be used on the skin if available. If inhaled, remove from area to fresh air. If breathing is difficult, get medical attention immediately. Get immediate medical attention if overexposed. Take MSDS or label information. For workplace use, an MSDS is available from your retailer or by calling 978-453-8881. **READ MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USE.** Close container after each use. 24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300.

**KEEP OUT OF THE REACH OF CHILDREN.**

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log onto [www.epa.gov/lead](http://www.epa.gov/lead). Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**For technical assistance call 978-453-8881.**

[www.umaco.com](http://www.umaco.com)

**LIMITED WARRANTY**

*The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.*  
**04-01-12**

- Concrete Patching & Repair Products
- Masonry Waterproofing Products
- Acrylic Admixtures & Bonding Agents



- Decorative Masonry & Concrete Coatings
- Traditional & Synthetic Stucco Systems
- Flooring Underlayments & Resurfacers