



# Weatherblock-100™

long-lasting, prediluted water repellent for stone

## DESCRIPTION AND USE

Weatherblock-100™ is a ready-to-use, water-based silane/siloxane water repellent for unpolished sandstone, slate and granite. It's also effective on concrete, GFRC, and most masonry and stucco surfaces. Weatherblock-100™ will not impair the natural breathing characteristics of treated surfaces. It helps stone, masonry and other surfaces resist cracking, spalling, staining and other damage related to water intrusion. Low odor and alkaline stable, Weatherblock-100™ is ideal for field and in-plant application.

## ADVANTAGES

- Penetrates deeply for long-lasting protection on vertical or horizontal surfaces.
- Service life is estimated at more than 10 years.
- Water-based formula minimizes explosion and fire hazards of alcohol or solvent-based water repellents.
- Easy cleanup with Green Clean-200™.
- Low odor for safer application to occupied buildings.
- Alkaline stable — suitable for new “green” concrete.
- Ready-to-use product. No on-site dilution required.

WEATHERBLOCK-100™

## Limitations

- Won't keep water out of cracks, defects or open joints.
- May not be suitable for some marble, travertine or limestone substrates. Always test to ensure compatibility and results.

## TECHNICAL DATA\*

ACTIVE SUBSTANCE: Silane/Siloxane emulsion

FORM: White milky liquid

SPECIFIC GRAVITY: 0.996

ACTIVE CONTENT: 7%

pH: 4-5

WT./GAL.: 8.29 lbs.

FLASH POINT: >212°F (100°C) ASTM D 3278

FREEZE POINT: 32°F (0°C)

VOC: 339 g/L (ASTM D 3960)

\*Typical

## PERFORMANCE TESTS

Laboratory testing shows Weatherblock-100™ to be a highly effective general-purpose water repellent/chloride screen.

ASTM E 514 Standard Test Method for Water Penetration and Leakage Through Masonry (compared to untreated control)	100%
ASTM C 140 Reduction of water absorption (compared to untreated control)	96%
ASTM C 67 Reduction of water absorption (compared to untreated control)	96%
Rilem II.4 Tube Test 5.0 milliliter tube	0.2 ml loss
Surface deterioration/discoloration:	None
Penetration (depending on substrate)	1-10 mm
Resistance to:	
Sunlight	Excellent
Alkalinity	Excellent
Surface Appearance (after application)	No change

Weatherblock-100™ is not suitable for application to synthetic resin paints, gypsum, or other nonmasonry surfaces. The product may interfere with adhesion of paints and coatings. Always test for compatibility.

## **PREPARATION**

**Protect** people, vehicles, property, plants, windows and all nonmasonry surfaces from product, splash, residue, fumes and wind drift. Protect and/or divert foot and auto traffic. Thoroughly clean the surface using the appropriate L&W Stone Corporation cleaning product. Clean newly constructed and repointed surfaces before application. Weatherblock-100™ won't impair adhesion of most sealing and caulking compounds. Always test for compatibility.

Though Weatherblock-100™ may be applied to slightly damp surfaces, best performance is achieved on clean, visibly dry and absorbent surfaces. Excessive moisture inhibits penetration, reducing the service life and performance of the treatment.

**Protect window glass** before using Weatherblock-100™. If protecting windows is impractical, follow these guidelines:

1. Clean window glass thoroughly before applying Weatherblock-100™ to nearby concrete or masonry.
2. Don't use Weatherblock-100™ in wind or when air or surface temperatures are hotter than 95°F (35°C).
3. Try to keep Weatherblock-100™ off the glass.
4. After treated surfaces have been protected from water for 6 hours, if product is on window glass, clean as soon as possible with soap and warm water. Alternatively use Green Clean-200™ to remove dried residues within 3-5 days.

## **Surface & Air Temperatures**

Best surface and air temperatures are 40°F - 95°F (4°-35°C) during use and for 8 hours after. If freezing conditions exist before application, let masonry thaw. Weatherblock-100™'s water carrier may freeze at low temperatures or evaporate in high temperatures. Both conditions impair penetration and results. Cleanup is more difficult from surfaces hotter than 95°F (35°C).

## **Equipment**

Apply with brush, roller or low-pressure spray (<50 psi). Fan tips are recommended for sprayers. Avoid atomization of material.

## **APPLICATION**

**Before use, read "Preparation" and "Safety Information."**

**ALWAYS TEST** each type of surface before overall application for suitability and results. Test using the following application instructions. Let test area dry thoroughly before inspection.

**Use in concentrate. DO NOT DILUTE OR ALTER**

### **Vertical Application Instructions**

For best results, apply Weatherblock-100™ "wet-on-wet" to a visibly dry and absorbent surface.

#### *Spray:*

Saturate from the bottom up, creating a 4-8 inch (15-20 cm) rundown below the spray contact point. Let the first application penetrate for 5-10 minutes. Resaturate. Less will be needed for the second application.

#### *Brush or roller:*

Saturate uniformly. Let Weatherblock-100™ penetrate for 5 to 10 minutes. Brush out heavy runs and drips that don't penetrate.

### **Horizontal Application Instructions**

1. Saturate in a single application. Use enough to keep the surface wet for 2 to 3 minutes before penetration.
2. Broom out puddles until they soak in.

### **Dense Surface Application Instructions**

Apply a single coat. Use enough to completely wet the surface without creating drips, puddles or rundown. **DO NOT OVERAPPLY.** Test for application rate.

Treated surfaces dry to touch in 1 hour. Protect surfaces from rainfall for 6 hours following treatment. Protect from foot and vehicle traffic until visibly dry. Many surfaces need several days to develop full water repellency.

## Coverage Rates

Substrate	Type	Coverage (per gallon of concentrate)	
		Square Feet	Square Meters
Granite	unpolished	175-250 sq. ft.	16-23 sq. m.
Sandstone	unpolished	75-125 sq. ft.	7-12 sq. m.
Slate	unpolished	150-250 sq. ft.	14-23 sq. m.

Actual coverage varies based on condition, texture and porosity of the surface. ALWAYS TEST.

## Clean up

Clean tools, equipment, and overspray with soap and warm water.

## Paint Adhesion

Always test to make sure paint sticks to treated surfaces. Improve adhesion before painting by pressure water-rinsing the treated surface, then letting it dry.

Some cementitious coatings, plaster, stucco, etc., may not adhere well to treated surfaces. Install them first and let them thoroughly cure before applying Weatherblock-100™. Always test to verify compatibility between Weatherblock-100™ and other proposed surface treatments.

## SAFETY INFORMATION

Caution. May cause eye and skin irritation. For use by professional applicators only. Keep out of the reach of children.

## Precautions

**Contents:** Methylhydrogen siloxane, alkyl alkoxy silane. Avoid eye contact. Wear safety glasses or splash goggles depending on application procedures. Avoid prolonged skin contact. If skin is sensitive or becomes irritated, wear rubber gloves. Wear long sleeved work clothing or splash-resistant clothing as needed. Do not breathe mists. May cause respiratory irritation. Wear a NIOSH approved dust/mist respirator as needed. Wash thoroughly after handling. Generates ethyl alcohol and hydrogen during curing. Maintain adequate ventilation inside.

**Storage and Handling:** Store and transport upright with lid tightly in place. Store in a cool, dry place. Keep from freezing. Do not reuse or remove the label. Do not alter, dilute product or use for applications other than specified. **If spilled**, keep from drains and soil. Absorb with inert media. Dispose of contaminated absorbent, container and product in accordance with local, state and federal regulations. Refer to the MSDS and label for additional use and cautionary information.

## First Aid

**Ingestion:** Call a physician, emergency room or poison control center immediately for instruction on properly inducing vomiting. Get medical assistance.

**Eye Contact:** Rinse thoroughly for 15 minutes. Get immediate medical assistance.

**Skin Contact:** Remove contaminated clothing and rinse thoroughly for 15 minutes. Seek medical assistance if persistent irritation develops. Launder contaminated clothing before reuse.

**Inhalation:** Seek medical attention if irritation develops.

**24 Hour Emergency Information: INFOTRAC at 800-535-5053**

**Shelf Life:** 1 year from the date of manufacture in tightly sealed, unopened container.

## WARRANTY

L&W Stone warrants this product to be free from all defects. L&W Stone makes **NO WARRANTIES EITHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE**, including the existence, scope or duration of the manufacturer's warranty, if any, except for the following: (i) the title conveyed is good

and transfer is rightful and (ii) the goods shall be delivered free of any security interest, lien or encumbrance. There are no warranties which extend beyond the description on the face hereof. Some States do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply.

**Limitation of Remedies:** Buyer's exclusive remedy for a breach of any warranty by L&W Stone is to return the goods to L&W Stone for a refund of the purchase price or replacement. L&W Stone has the exclusive right to select the remedy. L&W Stone expressly excludes liability for incidental damages, consequential damages, tort damages, strict liability damages, punitive damages, liquidated damages, or other damages not explicitly listed. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply.

**Manufacturer Warranty:** If the goods sold by L&W Stone are covered by an assignable warranty of a manufacturer, L&W Stone assigns to Buyer all such assignable warranties.

## **CUSTOMER CARE**

L&W Stone personnel are available for product assistance with no obligation. Call 1-800-346-9739 and ask for Stone Care product support.