



Limestone Guard™

Penetrating oil & stone repellent

DESCRIPTION AND USE

Limestone Guard™ is a clear, penetrating water and oil repellent suitable for use on interior or exterior calcareous surfaces such as limestone, marble and travertine. It's also suitable for many other types of masonry surfaces. Limestone Guard™ penetrates deeply to provide surface and subsurface protection without forming a surface film. Treated surfaces retain their natural color, texture and appearance.

Limestone Guard™ combines high quality siloxane resins with "oleophobic" resins to produce a penetrating water and oil repellent ideal for long-term protection against food, oil and waterborne staining. Unlike conventional penetrating oil repellent products, Limestone Guard™ has been modified to ensure effectiveness on limestone, marble and other calcareous or neutral pH surfaces.

ADVANTAGES

- Easy to maintain.
- Protects against oil and water.
- No surface buildup or gloss.
- High degree of vapor transmission.
- Treated surfaces normally retain their natural color, texture and appearance.
- Ideal for treating shopping center and hotel floors, entryways and pedestrian walkways.
- Low odor.

Limitations

- Not for application to asphaltic or painted surfaces.
- Surface coatings and paints applied over treated surfaces may not adhere.
- May darken some surfaces. Always test to determine that appearance of treated stone is acceptable.
- May damage glass, synthetic and reflective materials. Always protect.

TECHNICAL DATA*

FORM: Clear liquid, mild odor
SPECIFIC GRAVITY: 0.809
TOTAL SOLIDS: 9.5% (ASTM D 5095)
pH: N/A
WT.GAL.: 6.73 lbs.
FLASH POINT: 126°F (52°C) ASTM D 3278
FREEZE POINT < -22°F (< -30°C)
VOC: 728 g/L

*Typical

PREPARATION

people, vehicles, plants, nearby property and nonmasonry surfaces from contact with product, splash, spray, fumes or wind drift. Divert pedestrian and auto traffic if necessary. Remove all dirt and surface contaminants with the appropriate L&W Stone Care cleaner. Do not use raw acids. Rinse thoroughly to remove all cleaning compounds and residues. Let surfaces dry thoroughly (at least 24 hours) and protect from pedestrian traffic before application.

All caulking, patching and joint sealants should be in place and cured to avoid interference with adhesion. Product will not compensate for material or structural defects.

Surface & Air Temperatures

Surface and air temperatures should be at least 40°F (4°C) and less than 90°F (32°C) and expected to remain so for 4 hours following application. On warm days, apply early in the day and to shaded areas.

Equipment

Use low-pressure (40 psi maximum) spray equipment, brush or roller. Set power spray to lowest possible pressure. Do not atomize/vaporize the material. Use solvent-resistant equipment to avoid discoloration – do not use rubber hoses or gaskets. When applying to flatwork, broom out puddles of excess material with a stiff-bristled broom.

APPLICATION

Before use, read “Preparation” and “Safety Information.”

ALWAYS TEST each type of surface for suitability and results before overall application. Use the following application instructions. Let test panels dry thoroughly before inspection. Verify any darkening created by the treatment is acceptable.

Dilution

Apply as packaged. DO NOT DILUTE OR ALTER. Stir or mix well before use.

Application Instructions

Vertical Surfaces: Apply uniformly from the bottom of surface to the top with enough material to saturate the surface and create a slight rundown below the contact point of the spray pattern, brush or roller. Brush out heavy runs or drips thoroughly so that the material completely penetrates the surface.

Horizontal Surfaces: On flat surfaces, apply in a single saturating application. Use enough so the surface stays wet for about 2 to 3 minutes before the product penetrates the surface. Lightly broom puddles and use clean, absorbent towels to pick up excess material that does not penetrate. Don't overapply. Surface buildup or prolonged puddling can cause discoloration.

Porous surfaces: Apply “wet-on-wet.” Let the first coat penetrate the masonry surface and then reapply within 5 minutes in the same saturating manner. Less material will be needed on the second application.

Dense Surfaces: Apply a single coat. Use enough to completely wet the surface without creating drips, puddles or rundown. DO NOT OVERAPPLY. Test for application rate. Buff off excess material as soon as possible after application.

NOTE: Some floor and wall systems incorporate asphaltic or other crack-suppression membranes. This deeply penetrative protective treatment may penetrate through exposed stone, tile, grout or paver surfaces and react with the membrane to mobilize objectionable staining. ALWAYS TEST TO ENSURE DESIRED RESULTS.

Coverage Rates

Substrate	Type	Coverage (per gallon of concentrate)	
		Square Feet	Square Meters
Granite	polished	N/A	N/A
	unpolished*	200-400 sq. ft.	19-37 sq. m.
Marble, Travertine, Limestone	polished	200-350 sq. ft.	19-33 sq. m.
	unpolished	200-350 sq. ft.	19-33 sq. m.
Sandstone	unpolished	100-150 sq. ft.	9-14 sq. m.
Slate*	unpolished*	200-400 sq. ft.	19-37 sq. m.

Actual coverage varies based on condition, texture and porosity of the surface. Confirm by testing. Dense surface application may leave white residue. Remove by mechanical buffing.

*L&W Water & Stain Guard may be more suitable. Always test.

Cure and Drying Time

Protect treated surfaces from vehicular and pedestrian traffic for at least 4 hours after treatment. Provide cross ventilation and fresh air to interior spaces for at least 8 hours after application. Protect treated surfaces from rainfall for 4 to 6 hours. Limestone Guard™ gains its oil-resistance and water-repellency properties in 72 hours.

Clean Up

Clean tools and equipment immediately with mineral spirits or equivalent cleaning solvent. Remove overspray and spills as soon as possible.

Maintenance

Surfaces maintained and detailed on a regular basis (every 4 to 6 months) by qualified stone professionals may be protected with an initial application of Limestone Guard™ at a coverage of 200-250 square feet per gallon. For best protection, selectively reapply in high traffic areas as part of scheduled maintenance and detailing. For surfaces maintained on an irregular basis, application rates should be controlled to 100-200 square feet per gallon. Remove any spills or stains from surfaces treated with Limestone Guard™ as soon as possible using water or L&W Stone Corp.'s Green Clean-200™.

SAFETY INFORMATION

Danger. Combustible liquid and vapor. Harmful or fatal if swallowed. For use by professional applicators only. Keep out of the reach of children.

Precautions

Contains: Odorless Mineral Spirits, Isobutyltriethoxysilane, Alkyl polysilicates, ethyl alcohol. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes eye and skin irritation.

Combustible liquid and vapor. Keep away from heat, sparks and flame. Vapors may travel along the ground or by ventilation to remote ignition sources. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Use appropriate, spark-proof equipment during transfer and application. Do not cut, grind, weld, or drill on or near this container, even if empty.

Use only with adequate ventilation. Do not breathe vapors or mist. Inhalation of aerosols may injure liver or kidneys. Ensure fresh air entry during application and drying. When applying to exteriors of occupied buildings, make sure all windows, exterior intakes and air conditioning vents are covered and air handling equipment are shut down during application and remain so until odors dissipate. Ethyl alcohol will evolve during curing of this product. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted, NIOSH-approved respirator. Wear a dust/mist respirator if mists are present. Avoid contact with eyes, skin and clothing. Wear safety glasses and gloves to prevent contact. Additional protection may be required depending on application methods. Wash thoroughly after handling. Read the MSDS and product label for additional precautionary information Always read product label thoroughly before use.

First Aid

Ingestion: If swallowed, call a physician immediately. **ASPIRATION HAZARD:** Do not induce vomiting or give anything by mouth. Only induce vomiting at the instructions of a physician. If vomiting occurs, keep head below waist to prevent entry of liquid into lungs.

Eye Contact: Rinse eyes thoroughly for 15 minutes. Get medical assistance if irritation persists.

Skin Contact: Rinse thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get immediate medical attention.

24-hour emergency information: INFOTRAC at 800-535-5053.

NOTICE: Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Spills: Eliminate sources of ignition. Follow all label precautions. Keep product from soil, sewer systems and water. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

Container Disposal: This container is hazardous when empty. Do not reuse container or remove label. Drain thoroughly and dispose of in a sanitary landfill (check local restrictions) or send to a properly licensed reconditioner.

Storage and Handling: Store this container upright in a cool, dry, shady place with adequate ventilation. Keep away from heat and open flames. Keep tightly closed when not dispensing. Do not use pressure to empty. **Do not alter or dilute** the product except as specified. Do not use for any other purpose. Always protect passersby, building occupants and non-masonry surfaces.

Product is reformulated to reduce odor and improve user safety. Manufactured and marketed in compliance with USEPA VOC regulations (40 CFR 59.403).

Shelf life: 2 years from the date of manufacture if stored in a 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.