

LONGSHADOW®

Fountain Considerations

Classic Garden Ornaments, Ltd., designs and manufactures dry cast limestone planters and garden ornaments. We are not fountain specialists and can, at best, give only general suggestions about planters used as fountain elements. Please seek the advice of a fountain specialist for the design, installation, maintenance and winter care of any fountain. Due to local variations in climate and in building code requirements, we suggest finding a local fountain specialist. Please consult with your fountain specialist for advice regarding questions such as:

- size of fountain
- height of water fall
- diameter of pool
- depth of pool
- splash retention
- height of pool surround
- piping and plumbing
- nozzle selection
- desired water flow
- pump selection
- pump location
- electric wiring
- installation
- sealing
- winter care
- maintenance

SUGGESTIONS

The water in a fountain, while soothing and beautiful in a garden or a courtyard, has certain potentially harmful properties that require attention when used in or around Longshadow dry cast limestone planters.

Moving water can cause erosion.

- ~ A natural stone sealer is required to prevent erosion.

Agitated water can cause natural stone sealer to break down prematurely.

- ~ The condition of the sealer must be monitored.

Water can seep through the porous walls of Longshadow planters and cause lime-bloom.

- ~ Well maintained sealer is required to prevent erosion and lime-bloom.

Chemicals in local water can cause staining.

- ~ Pool specialists or other technical experts might be able to give advice on how to remove or control staining.

Falling water can create splash that goes outside its pool.

- ~ Pool surrounds should be high enough and wide enough.

Water will expand as it freezes.

- ~ Winter care requires attention to the effects of freezing water.

SEALING

We apply one coat of sealant to fountains. The installer must apply stone sealer following directions, such as those that follow. We do not seal planters and garden ornaments.

MAINTENANCE

The fountain specialist, the designer, the installer and the owner should develop a program that includes fountain and pump maintenance, sealer maintenance and winter care.

The maintenance program should include:

- ~ a regular program to reapply sealer to prevent erosion and lime-bloom
- ~ monitoring the condition of the sealer by checking for the appearance of erosion on the inside and lime-bloom on the outside and underside of a fountain and
- ~ arranging removal of the lime-bloom and re-applying sealer.

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LIME-BLOOM CAN BE REMOVED BY FOLLOWING THESE STEPS

- ~ drain fountain
- ~ gently scrape and sand off the lime-bloom
- ~ rinse and repeat
- ~ try pressure washing, if needed
- ~ clean inside of bowl
- ~ allow to dry
- ~ apply natural stone sealer
- ~ allow sealer to dry
- ~ apply a second coat of natural stone sealer
- ~ allow sealer to dry
- ~ fill and turn on the fountain

Delay will cause additional build up of lime-bloom, making it increasingly difficult to remove.

THE FOLLOWING INSTRUCTIONS ARE FROM DRYLOK:

Ready Mixed LATEX BASE DRYLOK® MASONRY WATERPROOFER

DRYLOK is the easy and manageable way to deal with water seepage problems. Formulated for waterproofing all interior, exterior, above or below grade masonry walls, cinder and concrete blocks, stucco and brick, retaining walls, basement walls and foundations. Latex Base DRYLOK has been tested to ASTM D-7088 Resistance to Hydrostatic Pressure and ASTM D-6904 Resistance to Wind Driven Rain.

SURFACE PREPARATION: May be applied on slightly damp surfaces, but best results are obtained when applied over dry surfaces. For best waterproofing results, wait for a dry (rain-free) period. Surface must be clean and free from dirt, dust, grease, oil, form release compound or paint. Patch all holes or cracks and the floor/wall joint with DRYLOK® FAST PLUG® or a fast setting hydraulic cement, and smooth the patch evenly with the surface around it. EFFLORESCENCE, a white, powdery, crystal-like deposit visible on the masonry surface, must be removed. DRYLOK ETCH (liquid or powder formula) or muriatic acid, used according to manufacturer's directions, are effective efflorescence removal agents. May be applied over previous coatings in sound condition but the warranty is void. Not recommended for use on horizontal surfaces subject to foot traffic. Old paint in poor condition must be removed by wire-brushing, sand blasting or by using other suitable means.

APPLICATION: STIR THOROUGHLY BEFORE AND DURING APPLICATION. DO NOT THIN. Air and surface temperatures must be 50°F, or higher. Apply DRYLOK directly on bare masonry. Apply first coat with a roller (3/4" nap) or DRYLOK BRUSH or good quality nylon bristle brush. If rolled, back brush the first coat to fill any pinholes in the masonry. If brushed, work the DRYLOK into the pores of the masonry, making sure to fill all pores and pinholes (see COVERAGE). APPLY TWO COATS. Allow to dry 3 hours between coats. The second coat may be applied by roller, brush or spray. For information on spray application, write UGL® and ask for Spray Specification Sheet D-88 or visit www.ugl.com.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

IMPORTANT: If leaking is still present after two coats, it indicates that pores or pinholes are still open. These areas should be painted again. When painting the inside of concrete fish ponds and non-potable water tanks, allow LATEX BASE DRYLOK MASONRY WATERPROOFER to dry at least one week before putting into service.

CLEAN-UP: Use warm, soapy water. **DRYING TIME:** 2-3 hours, recoat in 3 hours.

COVERAGE: Apply 2 coats at the rate of 75-100 sq. ft. per gallon.

TINTING: May be tinted to light shades with universal tinting colorants. Use only 25% of color normally recommended. Do not use more than 2 fl. oz. per gallon.

THE FOLLOWING INSTRUCTIONS AND PRODUCT DATA ARE FROM QUIKRETE:

PRODUCT INFORMATION

PRODUCT: 02-51092 DESCRIPTION: QUIKRETE® Natural Look Waterproofer
FEATURES: This product forms a long lasting, waterproofing seal on concrete, brick, masonry, exposed aggregate, natural stone and pavers. This sealer is fortified with new, heavy-duty resin technology to protect against the sun's powerful rays, water, gasoline and deicing salts. This protective sealer allows the natural look of the surface to come through. Do not use below grade.

SURFACE PREPARATION:

General: All surfaces must be clean, dry and free of all loose, peeling paint or contaminants. Bare Concrete: Allow 60 days minimum for new concrete to cure before sealing. Previously Sealed Surfaces: Clean with an all-purpose cleaner (TSP or substitute). Previously sealed surfaces must be porous and able to accept additional sealer. **Test surface porosity before sealing:** Avoid using this product on non-porous, sealed surfaces. To test, place a few drops of water on surface. If water sinks in, the surface is porous enough to use this finish. If water remains on the surface, do not use.

TYPICAL PRODUCT PROPERTIES: (51092)

VEHICLE TYPE: Silicone Emulsion
SOLIDS: 6% WT. 6% VOL.
VOC: 100 g/L max
WT/GAL: 8.3 lbs.
VISCOSITY: 8-12 Sec #4 Ford Cup
FLASHPOINT: N.A.
60o GLOSS: Flat

APPLICATION:

Use a roller or low-pressure garden type sprayer. While the first coat is still wet, apply a second coat to maximize protection. Allow 5-10 minutes for final penetration, then use a clean, dry cloth to wipe off all excess which did not soak into the surface. **Do not pond or puddle this product.**

CLEAN UP:

Clean up with warm, soapy water.

PACKAGING:

Gallons 4 Pack

STORAGE AND DISPOSAL:

Do not freeze. Keep container closed when not in use. Do not transfer contents to other containers for storage or disposal. In case of spillage, absorb with inert material such as sand or kitty litter. Dispose of contaminated absorbent, container and/or unused contents in accordance with local, state and federal regulations.

Product Information Hotline:

1-800-458-0047

TYPICAL ANALYSIS (51092)

CAS No.	Ingredients
7732-18-5	Water
Not Avail.	Silicone Emulsion
Not Avail.	Polydimethylsiloxane With Emulsifier
34375-28-5 2	Hydroxymethylamino Ethanol

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. We assume no obligation or liability for use of this information. **UNLESS WE AGREE OTHERWISE IN WRITING, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIM ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. WE WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.** Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option.

COVERAGE/THINNING:

Covers approximately 75-150 sq. ft. (7-14 m2) per gallon, depending upon surface porosity. Do not thin.

FILM THICKNESS: N.A. does not form a surface film.

DRY TIMES: Apply only when surface and air temperatures are 50-90°F (10-32°C). Dries in 1 hour.

CAUTIONS:

May cause eye and skin irritation. Avoid breathing vapors or spray mist. If painting indoors, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, or if air monitoring demonstrates vapor/mist levels above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. **AVOID CONTACT WITH THE EYES AND SKIN.** Wash thoroughly after use. Close container after each use.

FIRST AID:

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. If irritation persists, **get medical attention.**
IF INHALED: If affected by vapor or spray mist, move to fresh air. If breathing difficulty continues, **get medical attention.**
IF SWALLOWED: Drink 2 glasses of water.
Get medical attention immediately.

**DO NOT TAKE INTERNALLY.
KEEP OUT OF REACH OF CHILDREN.
For additional safety and chronic health
hazard information, refer to the Material
Safety Data Sheet for this product.
EMERGENCY MEDICAL TELEPHONE:**

1-888-345-5732

**This product contains less than
100 g/L VOC (0.8 lb./Gal VOS)**

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Sept-07

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Natural Stone Treatment

long-lasting water repellent

DESCRIPTION AND USE

Sure Klean® Weather Seal Natural Stone Treatment is a modified siloxane water repellent developed for limestone, marble and most other traditional masonry surfaces. Natural Stone Treatment penetrates deeply to provide long-lasting protection without altering the natural appearance of the substrate.

Unlike conventional siloxane water repellents, Natural Stone Treatment is modified for effectiveness on most limestone, marble and other calcareous surfaces. This product provides water repellent protection superior to more common silane, siloxane, acrylic or metallic stearate water repellents.

Natural Stone Treatment reduces the severity of biological staining common to regions with high relative humidity. Treated surfaces resist dark staining and degradation caused by fungal growth, mold and mildew.

ADVANTAGES

- Treated surfaces “breathe” – does not trap moisture.
- Small molecular size allows deep penetration.

- Suitable for interior and exterior surfaces.
- Will not form a surface film or gloss.
- Alkali resistant – protects new or existing mortar and grout joints.
- Reduces atmospheric soiling.
- Resists damage from saltwater pools.
- Low odor.

Limitations

- May damage glass or be difficult to remove. Always protect.
- Product will not compensate for structural or material defects.

TYPICAL TECHNICAL DATA

FORM: Clear liquid, mild odor
 SPECIFIC GRAVITY: 0.805
 pH: NA
 WT/GAL: 6.70 lbs.
 ACTIVE CONTENT: 11%
 TOTAL SOLIDS: 9% ASTM D 5095
 FLASH POINT: 118°F (48°C) ASTM D 3278
 FREEZE POINT: < -22°F (< -30°C)
 SHELF LIFE: 2 years in a tightly sealed, unopened container

VOC Information

Manufactured and marketed in compliance with USEPA AIM VOC regulations (40 CFR 59.403). Not suitable for sale in states and districts with more restrictive AIM VOC regulations.

PREPARATION

Protect people, vehicles, property, plants, windows, painted surfaces, anodized aluminum and all nonmasonry surfaces from product, splash, spray, residue, fumes and wind drift. Protect and/or divert pedestrian and auto traffic. Some metal finishes and glass may be damaged by exposure to Natural Stone Treatment. Test and protect. Sure Klean® Strippable Masking is not appropriate for use with this product. When using inside, provide good cross ventilation.

Ensure fresh air entry and cross ventilation during application and drying. Extinguish all flames, pilot lights and other potential sources of ignition during use and until all vapors are gone. When applying to exteriors of occupied buildings make sure all windows, exterior intakes and air conditioning vents are covered and air handling equipment is shut down during application and until vapors have dissipated.

Fill all cracks and voids to avoid penetration of fumes into the building. All caulks and sealants should be in place and thoroughly cured prior to application. Surface should be clean and free of dirt, dust, oils and other contaminants. If necessary, use an appropriate Sure Klean® surface preparation cleaner. (See product literature.) Surface must be thoroughly dry before application.

Natural Stone Treatment is recommended for these substrates. Always test. Coverage is in sq.ft./m. per gallon.

Substrate	Type	Use?	Coverage
Architectural Concrete Block*	Burnished	yes	50-125 sq.ft. 5-12 sq.m.
	Smooth	yes	
	Split-faced	yes	
	Ribbed	yes	
Concrete	Brick	yes	125-175 sq.ft. 12-16 sq.m.
	Tile	yes	
	Precast Panels	yes	
	Pavers	yes	
	Cast-in-place	yes	
Fired Clay	Brick	yes	100-175 sq.ft. 9-16 sq.m.
	Tile	yes	
	Terra Cotta	yes	
	Pavers	yes	
Marble, Travertine, Limestone	Polished	no	NA
	Unpolished	yes	100-175 sq.ft. 9-16 sq.m.
Granite	Polished	no	NA
	Unpolished	yes	150-200 sq.ft. 14-19 sq.m.
Sandstone	Unpolished	yes	125-175 sq.ft. 12-16 sq.m.
Slate	Unpolished	yes	200-300 sq.ft. 19-28 sq.m.

*Sure Klean® Custom Masonry Sealer may be more appropriate. Always test to ensure desired results. Coverage estimates depend on surface texture and porosity.

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 pretest to ensure desired results.

Surface and Air Temperatures

For maximum effectiveness, surface and air temperatures should be 40-90°F (4-35°C). Application on windy days may cause rapid evaporation of the solvent carrier and should be avoided.

Equipment

Preferred method of application is with low-pressure spray equipment or with a saturated brush, roller or lambs wool applicator. Sprayers should be fitted with solvent-resistant gaskets and hoses to avoid discoloration. Do not atomize/vaporize the material.

Storage and Handling

Store in a cool, dry place away from potential ignition sources. Keep tightly sealed when not dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place. Maintain temperature of 45-100°F (7-38°C). Do not double stack pallets. Dispose of unused product and container in accordance with local, state and federal regulations..

APPLICATION

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

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

Dilution.

Apply as packaged. Do not dilute or alter.

Vertical Application Instructions

1. For best results, apply “wet on wet” to a thoroughly dry surface.
2. When spraying, saturate from the bottom up. Use enough material to create a 6” to 8” rundown below the spray contact point.

NOTE: When using a brush, roller or lambs wool applicator, also saturate the surface. Brush out heavy runs and drips that do not penetrate after a few minutes.

3. Let the first application penetrate the masonry surface and then reapply (within 5 minutes) in the same saturating manner. Less material will be required on the second application.

Horizontal Application Instructions

Apply in a single, saturating coat so that the surface stays wet for a few minutes. Thoroughly broom out any pools or puddles that do not completely penetrate the surface. Soak up any remaining material with a clean towel.

Dense Surface Application Instructions

Apply a single coat. Use enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate.

Protect the treated surface from rain and pedestrian traffic for 4 to 6 hours following application. Natural Stone Treatment gains its water repellency properties in 72 hours.

Cleanup

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

SAFETY INFORMATION

Sure Klean® Weather Seal Natural Stone Treatment is a solvent carried product and may cause symptoms typical with organic solvent exposures. This is a combustible material. Use appropriate ventilation, safety equipment and job site controls during application and handling. Read the full label and MSDS for precautionary instructions 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 laundry 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

WARRANTY

The information and recommendations made are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application of our products, nor anticipate every variation encountered in masonry surfaces, job conditions and methods used. The purchasers shall make their own tests to determine the suitability of such products for a particular purpose.

PROSOCO, Inc. warrants this product to be free from defects.

Where permitted by law, PROSOCO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of

merchantability or fitness for particular purpose. The purchaser shall be responsible to make his own tests to determine the suitability of this product for his particular purpose. PROSOCO's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which defective product has been applied. Acceptance and use of this product absolves PROSOCO from any other liability, from whatever source, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of PROSOCO, its distributors or dealers.

CUSTOMER CARE

Factory personnel are available for product, environment and job-safety assistance with no obligation. Call 800-255-4255 and ask for Customer Care – technical support.

Factory-trained representatives are established in principal cities throughout the continental United States. Visit our web site at www.prosoco.com or call Customer Care at 800-255-4255 and request the name of the Sure Klean® Weather Seal representative in your area.