

HYDROBLOCK™

Breathable, Silane/Siloxane Water Repellent for Porous Vertical Surfaces

MANUFACTURER

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PRODUCT DESCRIPTION

HYDROBLOCK is a water-based, VOC-compliant, non-yellowing, water repellent treatment that remains invisible while protecting surfaces from damaging water penetration. HYDROBLOCK quickly and easily forms a long lasting water repellent barrier within concrete and masonry. It is designed for maximum protection on vertical, above-grade surfaces, such as concrete block and other porous concrete surfaces. HYDROBLOCK is compatible with most caulking compounds and sealants.

HYDROBLOCK's active ingredients provide a two-fold water repellent protection to concrete and masonry by 1) a non-yellowing, surface barrier that repels water, mildew, dirt and airborne contaminants and 2) integral protection by an in-depth chemical action-forming barrier.

Basic Use: HYDROBLOCK is designed specifically for water repellent treatment of vertical, above-grade concrete block and porous masonry units. Proper treatment is invisible and long lasting.

FEATURES & BENEFITS

- Formulated for concrete block and porous masonry.
- Penetrates substrate for permanent hydrophobic protection.
- Odorless.
- Ready-to-use, non-flammable, non-volatile.
- Invisible, long lasting protection.
- No film. Leaves surface breathable.

ESTIMATING

This product is available in 5 gallon (18.9 liter) pails, and 55 gallon (208 liter) drums. Containers are clearly identified with product name and batch code.

Coverage Rates:

Average rate is determined by surface porosity:

	ft ² /gallon	m ² /L
Regular Concrete Block.....	60-100	1.5-2.5
SplitFace, Ground Face		
or Cinder Block	60-80	1.5-2.0

A test is recommended to determine actual coverage rates. Highly porous surfaces may require two flood coats.

TECHNICAL DATA

Applicable Standards:

ASTM E 514
SS-W 110C
VOC Compliant
California SCAQMD

Physical Properties:

Color	Milky white, dries invisible
Dry Time 70°F (20°C)	2-4 hours
Surface Gloss	None
Penetration, avg.	1/16 - 1/4 inch (2-8 mm)
Resistance to Ultraviolet Rays:	Excellent
Salt Spray,	
After 1000 hrs.	Excellent
Water Repellency, ASTM E-514,	
Wind driven rain, 62 mph, 4 hours	Excellent
Weatherometer, 1000 hours	No change
VOC, gms/Liter	<50

INSTALLATION

Surface Preparation: Areas to be treated shall be clean and dry for penetration. Allow 24 hours after rain before applying. Cure new masonry surfaces for 14 days prior to treatment. Clean off mud, scale, coatings or efflorescence. Repair mortar joints, other than hairline cracks, and allow to cure a minimum of 72 hours before applying HYDROBLOCK. Caulking and sealant work shall be completed and allowed to cure before application.

Apply HYDROBLOCK with low pressure airless spray equipment. A garden sprayer is acceptable for small projects. Spray pressure should be no more than 20 psi. For porous block surfaces, spray head should permit a heavy spray. Control overspray. HYDROBLOCK bonds to all siliceous materials including glass.

Extremely porous substrates may require two (2) coats. Application of the second coat should proceed with wet on wet applications.

Treat vertical areas using horizontal passes. Saturate mortar joints. Application from the bottom up is necessary to provide uniform penetration. Use an overlapping pattern allowing materials to flood down from contact point at least 8 inches (200 mm). Apply a light mist coat before general application to help insure complete saturation.

Clean up: Clean up equipment and overspray with mild detergent and water. For dried residue, scrub with very hot water and mild citric acid.



NOTE: **HYDROBLOCK** requires approximately seven (7) days after application to develop its maximum water repellency. After this initial curing period, surfaces remain permanently treated to resist water penetration. Fully cured surfaces also resist further treatment.

FOR BEST RESULTS:

- Use **HYDROBLOCK** on porous masonry and concrete surfaces only. Highly permeable units may require several flood coats.
- Not to be used for limestone, marble, and other non-silicious stone surfaces.
- Not to be used for below-grade applications.
- Keep off shrubbery and plant life.
- Do not apply in temperatures below 45°F (6°C). Improper application may result in unsightly white streaks.
- Do not apply in high winds. Protect vehicles from over spray.
- Do not dilute.

HYDROBLOCK will not inhibit water penetration through unsound or cracked surfaces, or surfaces with detective flashing, caulking, or structural waterproofing.

PRECAUTIONS

Keep from freezing. **HYDROBLOCK** can be made useless by freezing. Keep in an enclosed container when not in use. Avoid prolonged skin contact. Wear protective gloves and goggles. Wash hands with soap and water. Do not inhale mist. Do not return unused materials to container.

Please refer to Product Material Safety Data Sheet (MSDS) before using.

STORAGE/SHELF LIFE

HYDROBLOCK containers are to be sealed and stored in a clean, dry area between 45-85°F (6-29°C). Shelf life is one year in unopened containers. Do not freeze.

WEBSITE

L&M's convenient internet website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Visit www.lmcc.com and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime - anywhere!

SHORT SPEC

071900: Water repellent treatment: For vertical concrete and other block and porous masonry surfaces. VOC

compliant silane/siloxane blend, odorless, invisible. "**HYDROBLOCK**" by L&M Construction Chemicals, Inc.

LIMITED WARRANTY

Contact L&M for information on available five year performance warranty, which requires the use of an approved L&M installer.

This product is warranted to be free of defects in material and workmanship, and conform to L&M Construction Chemicals ("L&M") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond L&M's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. L&M shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. L&M's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

For Professional Use Only.

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