



L&M™

Construction Chemicals

HYDROPEL WB™

DS-173.8-1214

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

HYDROPEL WB™

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

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

Uses

HYDROPEL WB is designed for water repellent treatment of vertical, above-grade concrete block and porous masonry units. Not recommended for highly permeable surfaces.

Advantages

- Formulated for vertical concrete block and masonry
- Penetrates substrate for long-lasting hydrophobic protection
- VOC Compliant
- Ready-to-use, non-flammable, non-volatile
- Invisible long lasting protection
- No film
- Allows for moisture vapor to escape

Suitable Substrates

- Hardened Concrete
- Masonry
- Stucco

Packaging

5 Gal (18.9 L)

55 Gal (208 L)

Approximate Coverage

Average rate is determined by surface porosity:

Brick: 100-125 ft²/gal (2.4-3.1 m²/L)

Dense Brick: 175-200 ft²/gal (4.3-4.9 m²/L)

Stucco: 75-125 ft²/gal (1.8-3.1 m²/L)

Precast Concrete: 200-250 ft²/gal (4.9-6.1 m²/L)

Cast In Place Concrete: 200-250 ft²/gal (4.9-6.1 m²/L)

* A test is recommended to determine actual coverage rates. Coverage rates will vary with the porosity of the substrate.

Shelf Life

HYDROPEL WB 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.

Limitations

- Not to be used for limestone, marble, and other stone surfaces
- Not to be used for below-grade applications
- Keep off shrubbery and plant life
- Protect vehicles from over spray
- Will not inhibit water penetration through unsound or cracked surfaces, or surfaces with defective flashing, caulking, or structural waterproofing

Cautions

- Keep from freezing
- Do not apply in temperatures below 45°F (6°C)
- Do not apply in high winds 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 Safety Data Sheet (SDS) before using

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

Applicable Standard

ASTM E 514
SS-W 110C

Physical and Working Properties

Property	Observed
Color	White liquid, dries invisible
Dry Time 70°F (20°C)	2 hours
Surface Gloss	None
Penetration, avg.	1/16 - 1/4" (2-8 mm)
Resistance to Ultraviolet Rays:	Excellent
Salt Spray, After 1000 hrs.	Excellent
ASTM E514, Wind driven rain, 62 mph, 4 hours	Excellent
SS-W-110C-Water Repellency Brick	86% effective
VOC	<50 g/L

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet 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. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their 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 their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. 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 HYDROPEL WB™. Caulking and sealant work shall be completed and allowed to cure before application.

Application

Apply HYDROPEL WB with low pressure airless spray equipment. A garden sprayer is acceptable for small projects. Spray pressure should be no more than 20 psi (1.4 kg/cm²). For porous block surfaces, spray head should permit a heavy spray. Control overspray.

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

Treat vertical areas using left to right 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" (200 mm). Apply a light mist coat before general application to help insure complete saturation. HYDROPEL WB will dry within two to four hours at 70°F (21°C).

Cleaning

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

NOTE: HYDROPEL WB 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.

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at www.lmcc.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

8. MAINTENANCE

Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

Periodic light applications are recommended to maintain gloss and protection.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty