1. PRODUCT NAME
L&M™ L&M™ AQUAPEL™

2. MANUFACTURER
LATICRETE International, Inc.
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Bethany, CT 06524-3423 USA
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Website: www.laticrete.com

3. PRODUCT DESCRIPTION
L&M™ AQUAPEL™ is a new generation, 100% reactive, waterborne sealer. L&M™ AQUAPEL™ is a clear, penetrating, breathable water repellent that is ideal for use on vertical or horizontal concrete surfaces. L&M™ AQUAPEL™ penetrates concrete surfaces and chemically bonds directly with the substrate which results in a surface that is highly resistant to the attacks of both moisture and salt. L&M™ AQUAPEL™ provides a unique, odorless, very low VOC formulation and offers permanent, non-yellowing protection. L&M™ AQUAPEL™ creates an accelerated chemical reaction with the natural minerals in the substrate to produce a stable and predictable hydrophobic surface within seven days after application. L&M™ AQUAPEL™ is ideal for normal duty, cast-in-place concrete with moderate exposure to salt and/or water.

Advantages
- For horizontal interior, exterior, above grade, cement based products
- Provides long lasting hydrophobic protection
- Odorless/Low VOC
- Ready-to-use, non-flammable, non-volatile, waterborne formulation
- Environmentally safe
- Invisible, non-darkening
- Allows for moisture to escape without compromising sealer
- Leaves surfaces breathable

Suitable Substrates
- Existing Concrete
- Masonry
- Stucco

Packaging
1 Gal (3.8 L)
5 Gal (18.9 L)
55 Gal (208 L)

Approximate Coverage
Typical coverage rates, depending upon substrate porosity and anticipated conditions are:

- Brick: 100-125 ft²/gal (2.4-3.1 m²/L)
- Porous Surfaces: 125-150 ft²/gal (3.1-3.7 m²/L)
- Broom Finish: 125-175 ft²/gal (3.1-4.3 m²/L)
- Smooth Concrete: 150-200 ft²/gal (3.7-4.9 m²/L)
- Densified Concrete: 200-300 ft²/gal (4.9-7.3 m²/L)

Additional coats may be necessary under certain porous conditions.

Shelf Life
L&M™ AQUAPEL™ containers are to be sealed and stored in a clean, dry area between 45-85°F (7-29°C). Keep from freezing. Shelf life is one year in unopened containers.

Limitations
- Do not apply when product, and/or surface temperature is below 40°F (4°C) or above 100°F (38°C).
- Not recommended for below grade waterproofing.
- Protect glass, shrubbery, and plant life from over spray.
- Not effective for stone surfaces.
Over application of L&M™ AQUAPEL™ may cause a slight darkening of the surface and slipperiness.

**Cautions**
- Keep from freezing.
- Wear protective gloves and goggles.
- Avoid prolonged skin contact and absolutely no contact with all food stuffs.
- Please refer to the safety data sheet (SDS) for more detailed information.
- Do not apply if precipitation is expected within four hours, or if rain has preceded the application in the past 24 hours.
- Do not apply in high winds.

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**
- NCHRP 244
- ASTM E514
- ASTM C672

#### Physical and Working Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Milky white liquid, dries clear</td>
</tr>
<tr>
<td>Dry Time at 70°F (20°C)</td>
<td>2-4 Hours</td>
</tr>
<tr>
<td>ASTM C672 Scaling Test</td>
<td>0 (no scaling)</td>
</tr>
<tr>
<td>Resistance to UV</td>
<td>Excellent</td>
</tr>
<tr>
<td>VOC Compliance</td>
<td>&lt;10 g/L</td>
</tr>
<tr>
<td>NCHRP 244 Series II, Water</td>
<td>85%</td>
</tr>
<tr>
<td>NCHRP 244 Series II, Chloride</td>
<td>84%</td>
</tr>
<tr>
<td>Depth of Penetration</td>
<td>2-6 mm</td>
</tr>
</tbody>
</table>

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 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

**Preparation**

Concrete must be structurally sound and clean of all dirt, laitance, contaminants, oil, existing coatings or membrane curing compounds before application. Repair deteriorated area with DURACRETE™. Caulking and sealant materials must cure adequately before applying L&M™ AQUAPEL™.

**New Concrete**

Allow concrete to cure 14 days or longer before applying L&M™ AQUAPEL™. Remove surface laitance and other contaminants.

**Installation**

Agitate or stir L&M™ AQUAPEL™ before using to disperse active ingredients. Do not dilute. Apply L&M™ AQUAPEL™ directly from sealed containers. For best results apply with low pressure sprayer with fan nozzle, roller or bristle broom. Apply in a single, uniform, saturating application. Broom out all puddles. On extremely porous substrates, two applications may be necessary. Apply the second application immediately when surface drying of first coat has become apparent.

Interior densified concrete application: One coat only. Apply with fine even spray or microfiber pad. As product is drying, approximately 30 minutes, apply light spray of clean water and lightly scrub any residue either off or into the concrete.

**Vertical Surface Installation**

Apply L&M™ AQUAPEL™ 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. L&M™ AQUAPEL™ will dry within two to four hours at 70°F (21°C).

**Cleaning**

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

### 6. AVAILABILITY AND COST

**Availability**

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

**For Distributor Information, Call:**
- Toll Free: 1.800.243.4786
- 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. SHORT SPECS

**071900: Water repellent treatment (Horizontal Concrete)**

A) (Cast in place concrete with moderate exposure for salt and/or water.) VOC compliant, odorless, silane/siloxane blend. Surpasses NCHRP 244, Series II Test, reducing water and salt penetration by 84%.

B) (Porous concrete surfaces or normal concrete with high or severe exposure to salt and/or water.) VOC compliant, odorless, silane/siloxane blend. Surpasses NCHRP 244, Series II Test, reducing water and salt penetration by 85%.

### 8. WARRANTY

See 10. FILING SYSTEM:
- DS 230.13: LATICRETE Product Warranty

Data Sheets are subject to change without notice. For latest revision, visit www.lmcc.com.
9. 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.

10. 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.

11. 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
   DS 174.4:   DURACRETE

(https://laticrete.com/~media/datasheets/lds1744_landm_duracreteansion)}