



Premium Building Products  
That Protect

Protecto LM™  
Liquid Membrane

**TECHNICAL DATA**

| Properties                         | Test Method                                     | Test Results                            |
|------------------------------------|---|---|
| Color                              |   | Blue in liquid form, Black when cured   |
| Thickness                          |   | 30 mil dry                              |
| Shear Strength                     |   | 355 psi                                 |
| Seam Strength                      | Exceeds ANSI A118.10 and ANSI A118.12 standards | 10.2 lb. /in width                      |
| Breaking Strength                  |   | 2.8 MPa (401 psi)                       |
| Elongation                         |   | 657%                                    |
| Dimensional Stability              |   | 0.70% length change                     |
| Damp-proof                         |   | Passes                                  |
| Hydrostatic Resistance             |   | Passes                                  |
| Fungus 7 Micro Organism Resistance |   | Passes                                  |
| Permeance                          | ASTM E96 method B                               | 0.3 max                                 |
| Coverage                           |   | Approximately 50 square feet per gallon |

**PACKAGING**

1 and 5 gallon pail

**Description**

PROTECTO LM is a thin, elastomeric Liquid Membrane along with a reinforcing fabric that combines to form a seamless waterproof barrier.

**Features**

- Inhibits the growth of mildew, fungus and other bacteria causing odors and stains in construction materials.
- Exceeds ANSI A118.10 and ANSI A118.12 standards.
- Interior and exterior applications.
- Bridges shrinkage cracks or other non-structural in-plane cracks up to (1/8").
- Easy to apply - just roll or brush on.
- Fast curing - flooring can be installed in 1 - 2 hours.
- Cleans up with water while still wet.
- Low odor & solvent free.

**Uses**

Used as a Waterproof flashing on the Protecto Deck membrane system.  
Can be used in conjunction with Whisper Mat CS Installations where a waterproof or water resistant Application is required with sound control. Used with AFM/WM for shower wall applications.

**Limitations**

- Not for use as an exposed traffic surface.
- Do not expose uncovered membrane to traffic, water or direct sunlight until fully cured.
- Not recommended for use as a roofing membrane over occupied areas, or on unstable surfaces such as chipboard, Masonite, metal, etc.
- Not recommended under negative hydrostatic conditions.
- Do not use where excessive substrate moisture and/or where negative Hydrostatic pressure exists. Maximum allowable moisture is (3 lbs. /1000 Ft2) per 24 hours.
- Use only on surfaces which are maintained above (50 °F) during application and for at least 48 hours after application.
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### **Shelf Life**

1 year in unopened container stored in heated conditions

### **Storage**

Store in a cool, dry place away from freezing

### **Preparation**

All surfaces must be clean, even, dry and free of grease, oil, loose paint, curing Liquid Membranes or sealers, protuberances that may puncture cured membrane, or other foreign matter. Existing concrete surfaces which have been shot blasted, ground or sanded to remove contaminants must be thoroughly cleaned of dust, loose concrete, etc. prior to applying membrane. Surfaces should be maintained at a temperature between (50 °F) and (90 °F) when applying membrane. New concrete surfaces must be fully cured, dry (maximum allowable moisture is (3 lbs. /1000 Ft<sup>2</sup>) per 24 hours) finished to a wood float or light broom finish, and be true to within (1/4") in (10'). Pre-treat all joints and gaps that are greater than (1/32") with proper compressible backer material and urethane sealant that will be covered with PROTECTO LM.

USE A WET FILM THICKNESS GAUGE TO CHECK THICKNESS DURING APPLICATION

Each coat may be applied by brush or heavy nap paint roller to achieve a 24MIL thickness (wet)

### **Application**

#### **PROTECTO DECK MEMBRANE FLASHING APPLICATION**

Apply a generous coat of PROTECTO LM approximately (4") to the edge of the Protecto Deck membrane and 4" up the wall. Embed a (7 1/2") sheet of reinforcing fabric into the wet liquid so that it bleeds through fabric. Next, apply another coat on top of fabric so that fabric is completely covered. Apply a generous coat of PROTECTO LM Liquid Membrane approximately (4") wide over all overlapped seams and terminations of the Protecto Deck Membrane. Allow PROTECTO LM Liquid Membrane to cure for a minimum of 24 hours before flood testing

#### **FULL WATERPROOFING APPLICATIONS WITH WHISPER MAT CS**

PROTECTO LM is pre-mixed and ready to use. PROTECTO LM may be applied by brush or roller. Pre-treat all cracks, joints, seams and corners first by applying a generous coat of PROTECTO LM Liquid Membrane approximately (4") to the perimeter of subfloor and (4") up the wall, then Embed a (7 1/2") sheet of reinforcing fabric into the wet liquid so that it bleeds through fabric, overlap fabric seams by at least (2"). Next, apply another coat of liquid so that the fabric is completely covered. Allow to dry to the touch. Apply PROTECTO LM to the entire subfloor, each coat may be applied by brush or heavy nap paint roller to a 24MIL thickness (wet) and allow dry to the touch, apply final coat of PROTECTO LM to entire surface within 24 hours to seal the installation. Once entire installation turns black and is dry to the touch (approximately 1 - 2 hours), tile may be installed using approved Latex Portland Cement Mortars.

#### **WATER RESISTANT APPLICATIONS WITH WHISPER MAT CS**

After installing Whisper Mat CS, apply a generous coat of PROTECTO LM approximately (4") to the edge of the Whisper Mat CS membrane and 4" up the wall. Embed a (7 1/2") sheet of reinforcing fabric into the wet liquid compound so that it bleeds through fabric. Next, apply another coat on top of fabric so that fabric is completely covered. Apply a generous coat of PROTECTO LM approximately (4") wide over all field seams of the Whisper Mat CS Membrane. Allow to dry to the touch, then apply a second coat of PROTECTO LM, once the liquid turns black and is dry to the touch (approximately 1 - 2 hours), tile may be installed using approved Latex Portland Cement Mortars.

#### **WATERPROOFING SHOWERS WITH AFM/WM**

After installing AFM/WM to shower pan, apply a generous coat of PROTECTO LM approximately (4") on each side of wall corners, coves and seams. Embed a (7 1/2") sheet of reinforcing fabric into the wet liquid so that it bleeds through fabric. Next, apply another coat on top of fabric so that fabric is completely covered. Allow to dry to the touch. Apply PROTECTO LM to the entire wall surface, including pre-treated joints, corners and coves membrane overlaps. Each coat may be applied by brush or heavy nap paint roller to a 24MIL thickness (wet) and allow to dry to the touch, apply final coat of PROTECTO LM to entire surface within 24 hours to seal the installation.

**FLOOD TESTING:**

PROTECTO LM must cure at least 24 hours prior to flood testing. Perform flood test with a minimum of 2" and a maximum of 4" of water for 24 hours. Drains should be plugged and barriers placed to contain the water. All leaks shall be located and repaired (see "Repairs") prior to covering the membrane. Re-flood test membrane once repaired.

**WARRANTY CAN NOT BE ENFORCED WITHOUT DOCUMENTATION OF LEAK FREE FLOOD TESTING SUBMITTED TO PROTECTO WRAP COMPANY WITHIN 30 DAYS AFTER TESTING. THE APPLICATOR AND GENERAL CONTRACTOR MUST SIGN THE SUCCESSFUL FLOOD TESTING DOCUMENT.**

**Clean Up**

PROTECTO LM can be cleaned up with water while still wet

**Limited Warranty**

This product is covered by the Protecto Wrap Standard 10 year Limited Warranty

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