



# Pro-Line Aqua Seal as Moisture Barrier Application



**Purpose:** Slab-on-grade installations of resilient, wood flooring, carpet, and tile when a moisture barrier is required. Proper installation will reduce moisture transmission as high as 12 lbs. to below 3 lbs per 1000sq.ft. Following information includes AQUA SEAL WATERPROOFING MEMBRANE used as the moisture barrier and UNIVERSALL PATCH as a cement top coat.

**Site Conditions:** Building interior should be weather enclosed, acclimated with a minimum slab temperature of 55° F or warmer. The moisture transmission shall be less than 12 lbs. per 1000 sq.ft, based on ASTM F1869-98 Calcium Chloride testing for this method of application. Readings or Calcium Chloride testing results higher than 12 lbs are not suggested for this method, contact our technical department for concerning these extreme conditions.

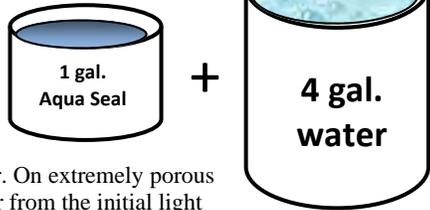
### MOISTURE BARRIER APPLICATION

#### STEP 1. Substrate prep

All surfaces must be structurally sound. Surfaces shall be dry and free of all curing compounds, grease, oil, dust, dirt, old adhesive residue, waxes, sealers, efflorescence, gypsum-based patching compounds, and any other loose or foreign matter.

#### STEP 2. Primer Coat

All slab surfaces to receive Aqua Seal must be primed with a diluted coat consisting of: one (1) part Aqua Seal diluted with four (4) parts clean, cool water. Mix in a clean bucket at low speeds until lump free, fluid solution is attained. The primer can be brushed, rolled, or sprayed to achieve an even coat. Brush or roller primer coat to the floor at a rate of 250-300 sq. ft./gallon. Drying time will depend on ambient conditions but is normally less than one hour. On extremely porous surfaces, two applications may be required. Drying is indicated by darkening of aqua-blue color from the initial light pale blue color.



#### STEP 3. Application Coat

Aqua Seal can then be applied full strength to the “primed” slab or concrete per application instructions in the Aqua Seal data sheet or packaging directions.

#### COVERAGE:

**Primer Coat** - Diluted Aqua Seal as “Primer” at 1 part membrane to 4 parts water is 250 to 300 sq. ft. per gallon. One gallon of undiluted Aqua Seal will make 5 gallons of primer.  
**Finish Coat** -Undiluted Aqua Seal: 190 - 200 sq. ft. per 5 gallons at 40 mils wet film thickness, 20 mils dry.



#### STEP 4. (Required for resilient or wood)

**Encapsulation-** Apply Universall Patch at 1/8” application layer thickness. The skim coat or encapsulation layer is to achieve a smooth finish, cementitious surface for resilient flooring and/or require a cementitious surface for the finish flooring adhesive to properly tackify or set/bond.



**Ceramic Tile or Stone installation-** can be applied directly to dry membrane. Use a Latex-Polymer modified dry-set mortar per product directions and literature. ANSI 118.4, ANSI 118.11. All surfaces must be structurally sound and subject deflection not to exceed 1/360<sup>th</sup> of the span. Expansion joints shall be installed in accordance with local building codes and manufacturer’s instructions per the specifications detailed in EJ 171 in the T.C.N.A. Handbook. Expansion joints, control joints and cold joints shall never be bridged with setting material.



*This information is given as generalized reference; see specific product instructions or product sheets for detailed information. If an installation and materials should be change outside the detailed instructions, please contact our technical support dept. for assistance.*

