



## **EXPANKO WATER BASED MATTE POLYURETHANE** *APPLICATION INSTRUCTIONS FOR UNFINISHED FLOORS*

**TECHNICAL SUPPORT 800.345.6202**

Expanko's water based matte polyurethane meets or exceeds all state and federal clean air quality standards. It is non-flammable. Do not thin. KEEP IT FROM FREEZING.

**THREE TO FOUR COATS OF FINISH ARE RECOMMENDED FOR APPLICATION ON UNFINISHED FLOORS.**

### **BENEFITS:**

Fast dry time  
Extremely durable  
Easy to apply  
Water-based, low VOC, odorless

### **COVERAGE:**

350-400 sq ft per gallon (1 coat)

**Polyurethane application should only be done by experienced professionals.**

### **REQUIRED MATERIALS AND TOOLS:**

Polyurethane (available from Expanko)  
Trim applicator and pad 8" - For Use around edges and in small rooms (available from Expanko)  
Floor coater and sleeve 18" (available from Expanko)  
Maroon buffing pads (available from Expanko)  
White Buffing Pad (available from Expanko)  
150 grit screen  
180 grit sanding strips - Use Four on Maroon Pad (available from Expanko)  
Rotary buffing machine  
Pole sander with 220 grit paper for areas that buffing machine can not reach  
Tack clothes and vacuum

**Application kits for unfinished floors are available from Expanko.**

### **Pot Life:**

**The finish/hardener mixture must be used within 4 hours after it is mixed. Product properties will diminish after 4 hours. The finish and hardener can only be mixed one time.**

### **Curing:**

The complete curing process takes approximately 7 days although only 3-4 hours is required between coats and floors may be walked on after 24 hours. Do not replace area rugs until the floor has fully cured. The floor may be walked on after 24 hours, but the floor is susceptible to scratching and marring prior to completion of the curing process. Do not clean with water or detergent during the first week.

**Clean-Up:**

Tools should be cleaned with water and stored in an applicator storage canister.

**Preparation for Polyurethane application on unfinished floors:**

1. Screen floor two times with a 150-grit screen on a rotary buffing machine to remove and tile edges, adhesive residue, etc.
2. Vacuum floor thoroughly and tack with a slightly water-dampened mop or cloth.
3. Verify all tiles are securely adhered before proceeding.
4. Apply three coats of finish on unfinished floors following instructions below.

**Finishing:**

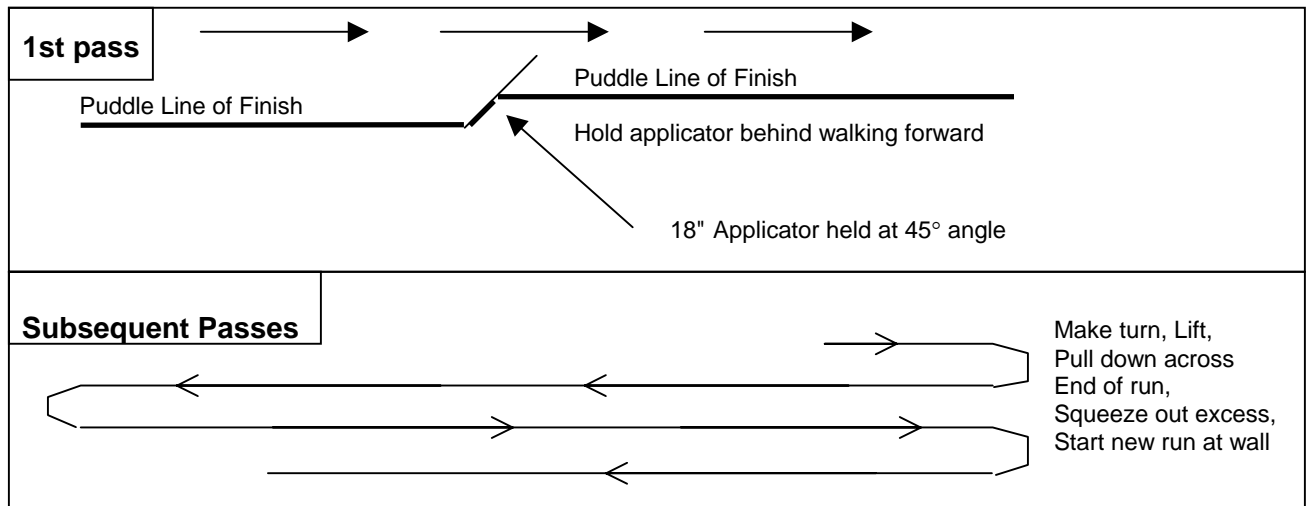
1. Shake (Part A) Finish for 30 seconds prior to mixing in (Part B) Hardener. Mix 1 part (Part B) Hardener with 10 parts (Part A) Finish by pouring contents of hardener into finish bottle, then shake mixture vigorously for 30-45 seconds and then let sit for 5-10 minutes before apply. One 12.8 oz. bottle of hardener will activate 1 gallon of finish.
2. Clean new applicators with water or brush them off to remove loose fibers, which can contaminate finish. Do not re-use applicators that have become hardened in any way. Be sure applicator is dry prior to use.

**Perimeter Application:**

1. Pour a small 1/4" to 1" wide puddle of finish along the wall. Using an 8" trim pad, apply the finish to the edge of the room. Be sure entire 8" edge of pad is wet with finish. Only trim edges of the room that can be completely field finished within 10 minutes. Sidewalls should be trimmed progressively as field finish is applied.

**Field Application:**

1. Pour a 6" to 8" wide line of finish along the entire length of starting wall.



2. Using a clean applicator, draw the applicator forward, moving the finish toward the opposite wall. Hold the applicator at a "snowplow" angle (approximately 45°) to maintain a wet edge at all times. Maintain at least a 3" wide wet edge (puddle of finish) at all times to ensure proper coverage rate.

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3. At the end of each run, turn the applicator toward you and pad out the applicator parallel to the wet edge (puddle of finish).
4. Feather out all turns. If pulled too hard or too fast, drips will fly off the applicator.
5. Missed areas can be touched up after finish has dried with subsequent coats.

**Intercoat Abrasion:**

For smoothest results and to reduce grain raise, abrade between coats with a maroon pad with four 180 grit-sanding strips (gold strips) attached. Always vacuum and tack thoroughly with a slightly water-dampened mop or cloth after abrading. Allow 3-4 hours between coats.

**Allow final coat to dry at least 24 hours before normal use. Always use furniture pads. Do not put rugs on the floor until fully cured, 7 days.**

***Traditional Cork Care and Maintenance (Document ID: 111) and Vallares Care and Maintenance (Document ID: 411) are available and should be followed.*** Walk off mats are recommended.

For more information about Expanko visit our website at [www.expanko.com](http://www.expanko.com) or contact Expanko at 800.345.6202.