



180 Gordon Drive | Suite 113 | Exton, PA 19341  
PH 610.363.0343 FX 610.363.0735  
www.expanko.com

## **APPLICATION OF POLYURETHANE ON UNFINISHED CORK *using BONA KEMI "TRAFFIC" WATER BASED POLYURETHANE***

### **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.

### **FIVE TO SIX COATS OF FINISH ARE REQUIRED FOR APPLICATION ON UNFINISHED FLOORS**

#### **BENEFITS:**

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

**COVERAGE:** 350-400 sq ft per gallon (1 coat)

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

*Traffic* polyurethane (available from Expanko)  
Trim applicator and 8" pad - for use around edges and in small rooms (available from Expanko)  
Floor coater and 18" sleeve (available from Expanko)  
Maroon buffing pads  
White Buffing pad  
150 grit screen  
180 grit sanding strips – Use Four on Maroon pad  
rotary buffing machine  
Pole sander with 220-grit screen for areas that buffing machine cannot reach (or abrade by hand with Conditioning Pad)  
Tack clothes and vacuum

#### **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

#### **Preparation:**

Turn off all sources of air flow during application. Allow finish to flow, level, and tack off (dry on top) for approximately 20-30 minutes after application before air flow is turned back on to aid in the drying / curing process.  
Sweep or vacuum the floor to remove all loose dirt and grit.

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Abrade the floor with rotary buffing machine using Bona Conditioning Pad and two Bona Delta sheets. Hand abrade the sides and other areas where the buffer will not reach with Conditioning Pad or a pole sander with 220-grit screen material.

Vacuum and tack floor with a clean, dry or slightly water dampened Bona microfiber mop to remove residual dust. Tack more than once if necessary.

## Finishing:

1. Shake (Part A) Traffic finish for 30 - 45 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 immediately shake mixture vigorously for 30-45 seconds. Let sit for 5-10 minutes. One 12.8 oz. bottle of Hardener will activate 1 gallon of finish.

2. Clean new applicators by rubbing and vacuuming them off, and then rinse with water to remove loose fibers that can contaminate finish – dry to just damp before use. Do not re-use applicators that have become hardened in any way.

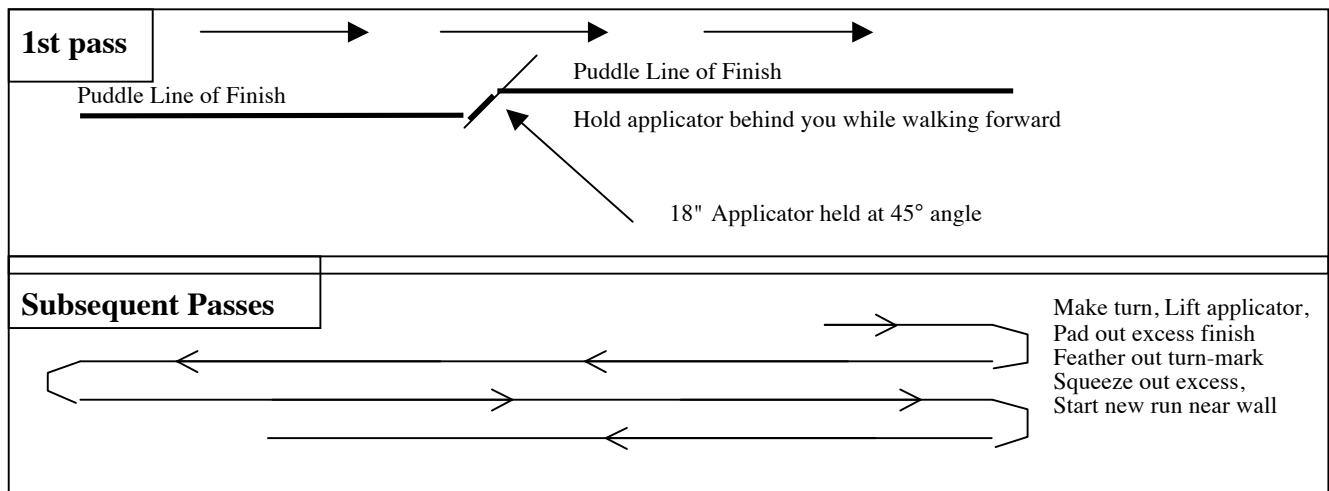
## Perimeter Application:

Pour a 2-3" wide puddle of finish along the wall. Using the 8" trim pad, cut-in along the starting wall. Be sure entire 8" edge of pad is wet with finish. Only trim the starting wall and areas down the sidewalls that can be completely field finished within 10 minutes. Sidewalls should be trimmed progressively as field finish is applied.

## Field Application:

1. Add more finish to your starting puddle, leaving a 6" to 8" wide line of the finish along the entire length of starting wall.

2. Using a clean 18" 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.



3. Feather out all turn marks with trim pad or 18" applicator by lightly brushing the finish in the same direction as the flooring runs. If pulled too hard or too fast, drips may fly off the applicator.

4. On final passes, push/pull your way to the exit door, making sure to feather out any turn-marks.

5. Missed areas can be touched up after finish has dried.

6. Allow each coat to dry 3-4 hours prior to applying the next coat.

***Allow final coat to dry at least 24 hours before normal use***

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## **WATER BASED POLYURETHANE**

### **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.

For smaller areas, such as when doing a "test area" order a Traffic Mix Bottle from Expanko to be sure you have the exact finish/hardener ratio when mixing small amounts.

### **Intercoat Abrasion:**

If applying more than one coat, abrading between coats is not necessary for adhesion unless it has been more than 48 hours since the previous coat has been applied. However, for smoothest results, abrade prior to the final finish coat with just the Bona® Conditioning Pad. Always vacuum and tack thoroughly with a slightly water-dampened Bona® microfiber mop or microfiber cloth after abrading.

### **Curing:**

The complete curing process takes approximately 7 days (70% after 1 day, 90% after 3 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. Furniture may be "placed" back in 72 hours. Do not clean with water or detergent during the first week. Use only a dry Bona Microfiber mop during the first week.

### **Clean-Up:**

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

NOTE: Bona Traffic finish may also be applied with a Bona Roller on cork flooring, with excellent results, if the flooring craftsman is familiar with the application procedure for the roller. For more information on roller application and about the complete Bona System of floor finishing, call Bona technical service at 800-872-5515 or visit [www.bona.com](http://www.bona.com).