



## APPLICATION OF POLYURETHANE ON PREFINISHED CORK using BONA KEMI “TRAFFIC” WATER BASED POLYURETHANE

TECHNICAL SUPPORT 800.345.6202

Expanko’s prefinished cork tiles are coated with Bona Kemi *Traffic* water based commercial satin polyurethane. **Only *Traffic*** should be used when additional coats of polyurethane are to be applied on prefinished cork tiles in the field. *Traffic* meets or exceeds all state and federal clean air quality standards. It is non-flammable. Do not thin. KEEP FROM FREEZING.

FOR RESIDENTIAL USE, ADDITIONAL COATS OF *Traffic* ARE RECOMMENDED.  
FOR COMMERCIAL USE, Two to Three coats of *Traffic* are REQUIRED.  
FOR EXISTING FLOORS SHOWING SIGNS OF WEAR, do a test area to be sure the *Traffic* finish is compatible with the existing finish on the floor

***Traffic* polyurethane application on factory finished Expanko Cork is commonly referred to as a “pad and recoat” procedure. We recommend this procedure ONLY be done by experienced professionals.**

### **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  
Floor coater and 18” sleeve  
16” Conditioning Pads - maroon  
16” White Buffing Pad  
Bona Delta Sheets – use two on Conditioning Pad for abrasion  
175 rpm rotary buffing machine w/16” drive plate  
Pole sander with 220-grit screen for areas that buffing machine cannot reach (or abrade by hand with Conditioning Pad)  
Bona microfiber mop and extra covers for tacking (do not use treated tack cloths) and vacuum

**Application kits for finishing floors are available from Expanko or at [www.bona.com](http://www.bona.com).**

### **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.

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- Sweep or vacuum the floor to remove all loose dirt and grit.
- 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:**

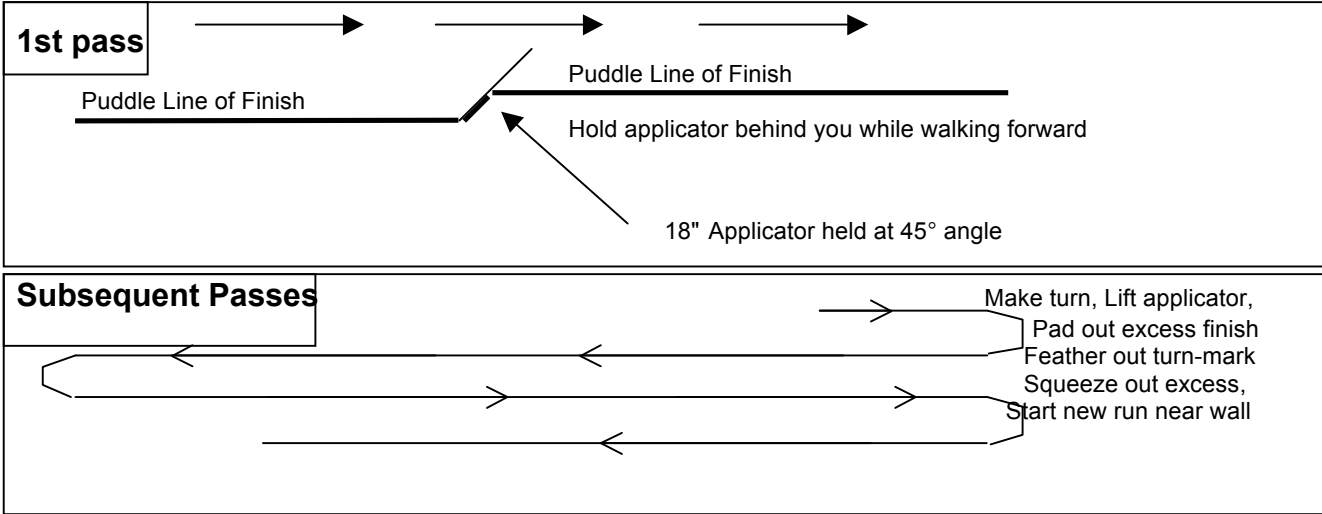
1. Shake (Part A) Traffic finish for 30 - 45 seconds prior to mixing in (Part B) Hardener.
2. Mix 1 part (Part B) Hardener with 10 parts (Part A) Finish by pouring contents of hardener into finish bottle, then immediately shake mixture vigorously for 30-45 seconds. Let sit for 5-10 minutes. One 12.8 oz. bottle of Hardener will activate 1 gallon of finish.
3. 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. At the end of each run, pull the applicator toward you; then lift and pad out the applicator (press out excess finish) parallel to the wet edge (puddle of finish).



4. 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.

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5. On final passes, push/pull your way to the exit door, making sure to feather out any turn-marks.
6. Missed areas can be touched up after finish has dried.
7. 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**

### **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).