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# POLYURETHANE FINISH APPLICATION

## PRAXIS SOLID CORK FLOORING

# Z609

### I. General

#### A. Recommended Finish – Zandur Pro-Coat 2 part Water Based Polyurethane Finish

1. Packaging – 1 gallon plus hardener
2. Spread Rate – 500 to 600 ft<sup>2</sup> per gallon per coat
3. Recommended Coats
  - a. 3-4 on unfinished cork.
  - b. 2 on prefinished cork
4. Storage: Keep From Freezing. Store out of sunlight. 55-75°F

#### B. Required Tools

1. Roller pads and Handle or T-Bar applicator and Handle.
2. Low RPM buffing machine
3. 150 grit screens
4. Maroon Between Coats Pads and white buffing pad (to be placed between machine and maroon pad)
5. 180 grit hook and loop sanding strips
6. 220 grit sand paper
7. Vacuum and tack rags

#### C. Clean-up.

1. Use water to clean tools.

### II. Floor Preparation

#### A. Prior to finish application, HVAC systems must be in place and in normal working order such that temperature is maintained between 65 and 75°F for 72 hours prior to, during and after application.

#### B. Do not apply finish on floors that are exposed to direct sunlight as floor will be very warm and finish will not level out properly. Close shades or block sunlight as required.

#### C. After flooring installation, sweep and vacuum floor to remove all dust and debris. If drywall dust is present, ensure it is removed. This can occur immediately after installation is completed.

#### D. Abrade floor as recommended below depending on the type of floor installed.

#### E. Unfinished Floor Abrasion

1. Screen floor a minimum of two times in each direction (N-S, E-W) with a 120 grit screen to remove any tile edges or irregularities in the floor. Vacuum between sanding passes.
2. Using a pole sander, screen edges with a 150 grit screen to ensure uniformity.
3. Screen again with a 150 grit screen, vacuum and buff with a maroon between coats pad.
4. Vacuum and tack to remove all dust.
5. Inspect floor to confirm it is clean and ready to be finished.

#### F. Pre-Finished Floor Abrasion



1. In order to seal seams and create a more consistent surface, polyurethane may be applied on top of pre-finished tiles. Floors may also be re-coated with finish from time to time using this process.
2. Using a Maroon between coats pad and 180 grit sanding strips, buff/abrade floor in both directions (N-S, E-W). This process is meant only to lightly abrade floor. Excess abrasion may result in sanding through of the finish.
3. Abrade edges by hand or a pole sander using 220 grit paper.
4. Vacuum and tack floor and ensure all dust and debris is removed.

### III. Finish Application

**Zandur offers a unique polyurethane finish that offers significantly increased wear resistance and fade protection as well as a top coating that more aggressively bonds to existing finishes. Additives are packaged separately for the base coats and top coats for this reason and must be mixed according to instructions below.**

#### A. Finish Mixing for top coating pre-finished floors.

##### 1. **Step 1: Initial Coat**

- a. Shake finish (1 gallon) for 15 seconds.
- b. Pour 2 oz. (entire bottle) bond additive (Part C) into 1 gal finish container.
- c. Pour entire bottle of hardener (Part B) into 1 gal finish container.
- d. Shake again. Do not add water or any other thinner.
- e. Allow finish to rest for 10 minutes prior to use.

##### 2. **Step 2: Final Coat**

- a. Shake finish (1 gallon) for 15 seconds.
- b. Pour 2 oz. (entire bottle) of wear enhancer (part C) into 1 gal finish container.
- c. Pour entire bottle of hardener (Part B) into 1 gal finish container.
- d. Shake again. Do not add water or any other thinner.
- e. Allow finish to rest for 10 minutes prior to use.

#### B. Finish Mixing for un-finished floors

##### 3. **Step 1: First Two to Three Coats**

- a. Shake finish (1 gallon) for 15 seconds.
- b. Pour entire bottle of hardener (Part B) into 1 gal finish container.
- c. Shake again. Do not add water or any other thinner.
- d. Allow finish to rest for 10 minutes prior to use.

##### 4. **Step 2: Final Coat**

- a. Shake finish (1 gallon) for 15 seconds.
- b. Pour 2 oz. (entire bottle) of wear enhancer (part C) into 1 gal finish container.
- c. Pour entire bottle of hardener (Part B) into 1 gal finish container.
- d. Shake again. Do not add water or any other thinner.
- e. Allow finish to rest for 10 minutes prior to use.

#### C. Application



1. Using a 3/8" nap roller or T-bar applicator, apply 1 coat of finish on the floor avoiding skips, puddles or streaks. If any streaks are seen, re-do within 1-2 minutes. After that time, re-working will only create more streaks.
  2. Apply in coats sufficient to cover the floor, but not in thick layers. Application rate shall be approximately 500 square feet per gallon. Multiple thin coats yield the best results. If finish looks milky or is puddled up, it is too thick. Performance and visual aspect of the finish are adversely affected by applying too thick.
  3. Plan your application such that the last coat of finish is applied perpendicular to any incoming light (which will lessen the visibility of any streaks).
  4. **Unfinished Floors**
    - a. Apply a total of 3-4 coats of finish mixing product according to section III.B.
    - b. Abrade between coats with a maroon between coats pad and 180 grit sanding strips for best results. Sanding between coats is not required if done within 24 hours.
    - c. Tack between coats to remove dust and debris.
    - d. Allow approximately 1-2 hours (depending on temperature and humidity) between coats. Floor must be dry to the touch and tack free. Do not attempt to abrade the floor if it is not completely dry.
  5. **Pre-Finished Floors**
    - a. Apply 2 additional coats of finish mixing product according to section III.A.
    - b. Abrade between coats with a maroon pad and 180 grit sanding strips for best results. Sanding between coats is not required if done within 24 hours.
    - c. Tack between coats to remove dust and debris.
    - d. Allow approximately 1-2 hours (depending on temperature and humidity) between coats. Floor must be dry to the touch and tack free. Do not attempt to abrade the floor if it is not completely dry.
- IV. **Post Application**
1. Allow for to dry 24 hours prior to opening to normal traffic, however floor will be more susceptible to scuffs and scratches until full cure is reached in five days.
  2. Do not install carpets or any coverings on floor sooner than 5 days after application.
  3. Movement of heavy furniture as well as use of heavy carts, ladders or other heavy point loads must be prevented until 5 days after application.
- V. **Additional**
1. Floors should be re-coated as they become worn. For typical commercial applications this will be required once every 6-10 years. This process may be done using a screen and recoat procedure or a sandless system using Zandur cleaning and priming materials. Consult Zandur for details.
  2. Maintain floor using a neutral pH cleaner and limit over exposure to water.