

# How To Apply

## One Coat, Rainforest and Bio Poly on Concrete Floors



### Remember:

- Strip & Clean Surface
- Use 2 workers, 1 to Mop on 1 to Buff off
- Coat a day for 2-3 days
- Buff to a Polished Sheen

### General Instructions

**Clean floor properly. Make sure concrete is raw and dry and ready for coating. One person mops a 4'x4' section, the other person takes the floor machine with a red pad over the mopped area immediately. Buffing the material deep into the concrete. LEAVE NO RESIDUE ON THE SURFACE. Change pads as needed. Move on when the surface feels smooth, with no film or residue at all.**

**Apply a coat a day for three days.**

**Buff in between coats with a dry red pad. Can be walked on next day, heavy traffic 1 - 3 weeks. Vegetable Oil Soaked rags can self ignite if left bunched up, or left in the sun. Lay flat to dry or soak in a pail of water.**

### Surface preparation

Allow concrete to cure 30 days if possible. Wash off all salts, efflorescence that arise during curing. Remove dirt, grease and any other contaminant using mechanical or chemical method. Cleanliness of concrete dictates the strength of bond. ASTM D-4260 Standard Practice for Acid Etching Concrete or ASTM-D-4258 Standard Practice for Surface Cleaning Concrete for Coating should be consulted prior to finishing. If unfamiliar with concrete coating, consult a concrete professional before commencing work.

Acid Wash, Shot Blast or Grind surface for the best results. Remove all coatings including "Cure & Seal" which is commonly sprayed on concrete after pouring to minimize cracking. This Cure and Seal will prevent proper absorption and must be stripped off.

To avoid grinding or acid etching concrete you must at least scrub with a strong cleaner. On **raw** concrete with **no previous coatings** Citrus Solvent Cleaner does a good job. Use a Black coarse pad on a Floor Machine. Soak floor with Citrus Solvent Cleaner diluted 50% with water. Wash vigorously with black pad on machine. Rinse thoroughly with water and wet vac residue. Do this twice. and make sure there are no surface salts that have arisen to the surface. Make sure there is no micro fine dust that often persists after scrubbing. Clean floor very, very well. Rinse and wet vac floor until clean. Good PREP is essential.

**Allow to dry thoroughly.**

*Apply first coat in a small inconspicuous area to assure the concrete is ready and that it looks the way you want it to look. When confident with this test, procede.*

Wear approved NIOSH respirator, safety goggles, gloves and protective clothing whenever exposed to dust or chemicals of any sort.

### Application

Tint product to any color. Concrete must be porous and absorb the color. Unlike paint, the porosity of concrete determines the final outcome of color. **If the floor is not porous color will not go into the floor.** Exact color matches seldom if ever happen when staining concrete. This is similar to wood staining in that every surface has a different base color and porosity. These factors have great effect on color outcome. Test first to be sure.

**First Coat:** Mop or Wipe on a heavy coat, pushing into the surface. Wipe off excess immediately until surface feels smooth. Do not leave excess on the surface! Let it soak in and harden. Then lightly sand and recoat the next day.

### PRO METHOD:

A fast and effective method for Concrete floor finishing is as follows: 2 People. One with a lambswool mop the other with a floor machine with a red pad. The first person mops a section of the floor that is workable in size (4'x4' or so). The second person then moves the floor machine over the wet area to buff it into the surface. Move on when the floor is smooth with no film on the surface. It should feel smooth immediately. Then move on to the next area. Turn pad over or replace as needed.

**Allow overnight dry.**

**Second Coat:** Take dry, fresh red pad (possibly white) over floor to lightly sand. Clean if needed. Apply second coat. Thinning this coat may be helpful. One quart of Citrus Solvent to a gallon usually works well. Follow same procedure as for the first coat application. Apply third coat if desired in same manner.

### Polish:

2-3 coats are generally all that a floor will take. After the final coat is dry, come back the next day with the floor machine and a white polishing pad. Apply very little product. Just enough to wet the pad and polish the floor. Go over the floor with this for a great polished finish.

The floor should look fantastic at this point and be very, very durable.

### **Concrete Staining Note:**

Different colors can be added to the different layers for a decorative effect with depth. Scraping or grinding between coats can also reveal decorative nuances. For example a rust color first coat with a very transparent dark brown top coat can make a stunning patina effect that is rich and natural looking. There are hundreds of color combinations to sample. Often the second coat will have very little color added so that it is very transparent. Experiment on some sample peices or pavers before trying on a job.

### **Pigment Shuring:**

These products provide an excellent concrete stain similar to acid stain in its variation, coloring and depth. As with any stain, If heavily pigmented product is being applied the pigment may require 1-3 days to set firmly into place before being rewet or sanded. Test the color beforehand so there are no surprises on the second coat application. If the pigment is loosened up when rewet during the second coat, simply give it an extra day or two to set up. Generally, this is not an issue but the user should be aware of the potential. Always Sand lightly over stained areas so the color doesn't get burned through. Experience and skill often overcome these issues.

Depending on the color that is used the floor can often be walked on immediately. This should be avoided if possible since it is possible to darken sections by pushing the coating deeper in one area than the other. Allow an overnight dry before light foot traffic and 1-3 weeks for heavy traffic. After a month the floor will be extremely tough.

### **Spot Maintenance**

A household mop with some product on it works well. Lightly go over the floor and wipe up immediately with a dry rag until all residue of removed and floor feels perfectly smooth.

As time goes by and the floor gets worn Spot Maintenance can be done without any real downtime of the floor. Simply clean the floor with Citrus Solvent Cleaner diluted 1/4 cup per gallon. When Dry, wipe on some leftover product and wipe it off. This will leave high traffic areas protected and refreshed. It will also initiate the petrification effect that is engineered into our finishes. A floor maintained like this could last hundreds of years and look great.

### **Clean Up**

Use Earthpaint Citrus Solvent Cleaner diluted in water for the safest biodegradable clean up. 1 cup to a half gallon is very strong and will clean hands and brushes. Rinse brushes with pure citrus solvent for best results. Mineral Spirits is a petrochemical solvent that we stopped using in 1991.

### **Recycle**

Containers are a leading contributor to landfill mass. Recycle containers whenever possible. Earthpaint reuses and recycles containers. Clean containers can be reused by Earthpaint Inc. Call for more information.

### **Cautions**

Health Precautions: Use in adequate ventilation. Avoid breathing vapors or spray mist. Can cause skin, eye and lung sensitivities or irritation. Use NIOSH approved respirator. Wear protective clothing, gloves, and goggles. Flash point above 115 F. Do not ingest. If irritation occurs contact physician. Contact **Nationwide Poison Center Hotline: 1.800.222.1222**

### **SPONTANEOUS COMBUSTION WARNING:**

Linseed oil damp or soaked rags or paper stored in dry containers or in piles can self ignite. Soak in water in metal containers, rinse well, dry flat in open air and then compost. It is against the law to dispose of liquid paint or paint products into sewers or land fill.

### **LIMITED WARRANTY**

Earthpaint Inc. warrants that this product meets Earthpaint Inc.'s manufacturing specifications. If this product does not meet these specifications, Earthpaint Inc. will, at its option and upon proof of purchase, either furnish an equivalent amount of new product to you or refund the purchase price of this product. In no event will Earthpaint Inc. be responsible for (1) labor or the cost of labor for removal or application of any product; or (2) any incidental or consequential damages, whether based on breach of express or implied warranty, negligence, strict liability or any other legal theory. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

**Always test for personal sensitivities and preferences in small inconspicuous areas before application to the entire surface.**

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Check out our other products at

**[www.earthpaint.net](http://www.earthpaint.net)**

## Standard Floor Pads for Rotary Machine

**White Polishing** - Light dry polishing or light water spray for high gloss.

**Tan Polishing/Buffering** - For polishing or light buffing. Removes scuff marks and soil, produces gloss.

**Red Buffering** - For spray buffing, cleaning and polishing.

**Blue Scrubbing** - For scrubbing or heavy-duty spray cleaning. Removes soiled top layers of finish.

**Green Scrubbing** - Ideal for heavy-duty scrubbing or light stripping.

**Brown Stripping** - For heavy-duty stripping, wet or dry.

**Black Stripping** - For heavy-duty stripping.

## Sand Screens:

Vary in Grit and Size. 150-180 can be a good final sand after using a drum sander with 100 grit. This leaves the floor a bit more polished. May be used after first coat is applied to smooth surface out and increase shine.

## Applicators

Standard Household Mop- This can be a very useful tool on the job. It does a good job of pushing the coating into the wood without leaving too much on the surface. It's also a very easy way to maintain the floor as years go by. Just mop it on and wipe it until it feels smooth and looks nourished and beautiful.

Lambswool Mop: The industry standard floor coating applicator. Also known as a Wax Applicator. Holds a lot of material, possibly too much for the second and polishing coats. Can make very fast work out of applying the first coat.

Brushes and Rollers generally leave too much on the surface of a floor. If you are thinning the product down a great deal they may work but more often it's best to use rags and mops to apply.

## Choose Your Tools:

Since every job has different characteristics it's important to be flexible when selecting your tools.

What works perfect for a new Floor may not work as well on an old Floor. Try different pads and Applicators until you find the one that leaves the floor perfectly smooth. The application process should be easy compared to applying polyurethane and picking hairs and lint out of the film!

The first coat is usually applied with a Lambswool Mop and a Red Buffering Pad. If this seems to be leaving too much on the floor move up to a tan or white pad. If it's leaving too little on the floor try a blue or green pad.

The deciding factor when selecting a pad should be: **Does this pad leave the floor perfectly smooth? Is there any residue at all on the surface at all?**

If the answers are: "Yes the pad leaves the floor perfect." Then you are using the right tool. If the answers are opposite then try something different until it's correct.

A few minutes at the beginning of a job to get the right tools and system can save a lot of money and time.

## Terms of Use:

**Instructions are to be used at the users best discretion. These instructions are intended as an aid to finishing floors with natural materials. The entire scope of finishing floors cannot be covered here. The techniques described should be practiced before implementing professionally. It is up to the user to insure that safe practices are followed. Earthpaint Incorporated can in no way be held liable for the implementation of the described techniques. Consequential damages due to application of the products listed herein are in no way the responsibility of Earthpaint Incorporated. It is up to the user to insure that the methods outlined herein are practiced and understood before application.**

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