

Technical Data Sheet

Bio Poly Wood and Masonry Sealer

Earthpaint
because you care



Features

- May Qualify for up to Four LEED Points, EQ 4.2, MR5.1, MR5.2, MR6
- NC Healthy Built Homes up to Six Point IAQ 25 & 28
- Exceeds South Coast Air Quality Management District (SCAQMD) Rule 1113
- Excellent Top Coat for Premium Decking, Timber
- A Natural, non film forming Lacquer

General Properties

Interior / Exterior grade, durable, non-film forming, satin to semi-gloss, penetrating, clear high solids finish with water repellency, and grain illumination. Hardens into masonry and wood fibers. Can be custom tinted or used as a topcoat.

Locally Harvested Ingredients

Flax oil, Air Oxidized Linseed Oil Refined for Natural Drying Reaction, Southern Pine Rosin, Citrus distillate, 100% pure Bees Wax, Mineral UV blockers and Mildew Inhibitors, Lead free Mineral Salt Driers.

Recommended For

Exterior: Timber, Wood & Masonry Siding, Decks & Trim. **Interior:** Wood & Concrete Floors, Wood Trim, Cabinets, Doors, Floors, Furniture, Paneling. Additional uses include use as a water repellent sealer for lime based plasters, Earth or clay plasters, gypsum, concrete block, stucco.

Technical Data

Vehicle Type: Air Oxidized Linseed Oil

Pigment Type: None, inherent amber tone of plant oil.

Volume Solids: 70%

Theoretical Coverage at 75 F (23 C) and 50% humidity

Spruce or Pine 400 sft and up to 600 sft on hardwoods or for 2nd coat.

Recommended Film Thickness

Non-film forming (Hardens into wood fibers.)

Dry Time @ 77 F (25 C) @ 50% R.H.

Set to Touch: 2 hours

To Recoat: 12 hours, or after overnight dry.

To Service: 24 to 48 hours (Allow at least 48 hours from final coat before normal floor traffic)

Dries By: Evaporation, Oxidation

Spraying: Use 0.11 tip or larger. Spraying always increases negative health effects by

atomizing the coating, increasing skin, eye and lung exposure.

Viscosity: Gardner Scale J

Flash Point: Not Less than 200 degrees Fahrenheit

60-Degree Specular Gloss: Satin to Semi Gloss

Depending on surface smoothness.

Surface Temperature at Application:

Minimum: 40 F

Maximum: 105 F

Dilution:

Add up to 32oz / gl of Pure Citrus Solvent.

Dilution will make product slide along the surface easier and increase depth of absorption. Surface Density, a key principle in the petrification effect will be reduced slightly with dilution. Drying time may increase slightly if exceptionally deep penetration is achieved.

Clean Up: Earthpaint Citrus Solvent Cleaner or Earthpaint Pure Citrus Solvent

Weight Per Gallon: 8.9 lbs.

Storage Temperature:

Minimum: 38 F

Maximum: 90 F

Shelf Life: 1 yr (does not contain toxic preservatives. After one year, oils may thicken and become more potent as a wood coating, however, do not use until a test area has been done and achieves satisfactory results.

Volatile Organic Compounds (VOC):

Less than 198 grams / liter from Pure Citrus Solvent.

Colors

Clear (Custom Tintable)

Standard product is opaque amber color and dries transparent. Will cause some darkening of wood as is common for oil-based resins. Can be custom tinted with Universal or Oil Based colorant. Treat as ultra deep base by removing 16 oz of product from can and following a color formula.

Limitations

Vegetable Oils can self ignite. **Soak Rags in Water.** Don't leave piled up! Product is a rubbing oil, engineered for penetration into wood. Wipe off excess until wood feels smooth. Tannin, water stains, sap and other discolorations common to wood should be accounted for before application. If applied as a film on uneven Stones outdoors the thicker crevices may become white when heavy rain occurs. **Always test for personal sensitivities**

and preferences in small inconspicuous areas before application to the entire surface.

Surface preparation

Wear approved NIOSH respirator, safety goggles, gloves and protective clothing whenever exposed to dust of any sort, especially previously painted materials. Sand, Pressure wash or Strip wood until it is raw and porous. *Kill all Mildew outdoors. If this is done poorly a darkening due to microbial growth can occur. Strip old patina off decks or the grey will show through and darken. These steps cannot be skipped for the finest results. If they must be skipped for whatever reason then a dark colored stain can hide the patina and mildew that was not removed or killed.*

Basic Application

Read "How To's" at www.earthpaint.net or your visit your local Earthpaint retailer for detailed application instructions on a variety of surfaces.

Stir well to disperse all settled materials from the bottom of the container. Zinc Borate is heavy and settles. Soak Rags In Water. Do Not Leave Piled Up.

Wood & Concrete Floors: Sand & Clean professionally. Dilute 32 oz / gal with Pure Citrus Solvent. Mop onto wood in small area. Use Floor machine w/ red pad (smooth pad) to Buff material into wood. Move on when no excess is on the surface and wood feels smooth. Buff with a new red pad between coats. Apply a coat a day for 2-3 days and polish with a white pad. Use Looking Glass polish for a classic Beeswax finish. Buff into surface to illuminate wood beauty. Humidity, temperature and depth of penetration will effect amount of dry time required.

All wood should feel smooth immediately after wiping. If sealing new, non-porous wood: wipe off stain immediately until smooth. Be sure to test beforehand for application over coatings other than Earthpaint Wood Finishes. Don't forget to wipe down areas that haven't soaked in before leaving job overnight.

Decks, Siding, Trim, Furniture & Woodwork: Kill Mildew. Apply to clean raw wood. Strip previously coated surfaces unless applying over an Earthpaint Wood Finish. Dilute with up to 16 to 32 oz Pure Citrus Solvent per gallon. Dilute to increase absorption into wood and make easier to apply. Stir thoroughly. In a well-ventilated area, apply product with Rag, Mop, Lambswool, Sponge Painter, Applicator Pad, Sponge or Sprayer. Avoid applying too thick by brush or roller. Wipe off ALL excess immediately. Leave no film. Surface should feel smooth before moving on. Dry overnight. Sand & Clean between coats. Multiple coats will increase shine and longevity. Wipe off all product laying on surface. When applying tinted allow pigment to dry firm 1 to 3 days before applying a thin topcoat. Wipe off all excess. **Put rags in water.**

Spot Maintenance: Product is engineered, through the principle of Surface Density, to undergo a petrification effect. This will

allow the next application to build upon the first and maximize lifecycle benefits. No stripping is needed. Simply wash clean and reapply. Soon the wood will no longer accept any more preservative and remain protected.

Clean Up

Use Earthpaint Citrus Solvent Cleaner diluted in water for the safest biodegradable clean up. 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.

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!
Vegetable oil damp or soaked rags can self ignite. Soak in soapy water in metal containers, rinse well, dry flat in open air and reuse or compost.

LIMITED WARRANTY

The great variation between environmental factors, possible surfaces and application techniques, and the lack of control we have over such matters must affect our policies. EARTHPAINT INC. products are guaranteed not to be defective when applied and used in accordance with instructions. However, liability, whether express or implied, is limited to replacement of product or refund of purchase price and cannot include liability for labor costs or consequential damages and will be done at Earthpaint Inc sole discretion. It is the user's responsibility to insure that the proper product is being used for each job.

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

Made By Earthpaint Inc. Asheville, NC 28806
Customer support: admin@earthpaint.net
828-258-2580

Check out our other products at

www.earthpaint.net