

Technical Data Sheet

Bio Poly NT 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
- Most Beautiful Hardwood Floor Finish.
- A Natural, non film forming, Rubbing Oil Finish that won't dry out like ordinary rubbing oils.

General Properties

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

Locally Harvested Ingredients

Special Filtered Reacted Linseed Oil Refined for Natural Drying, Beeswax, Southern Pine Rosin, Citrus distillate, Lead free Mineral Salt Driers.

Recommended For

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: 6 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, not freeze sensitive but avoid freezing to protect full integrity of product.

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 Earth Clean Heavy Duty Cleaner and Water.

Weight Per Gallon: 8.3 lbs.

Storage Temperature: Keep in airtight container. Pour unused product into the smallest vessel possible with the least amount of air exposure in the container.

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 94 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 but less than our other wood finishes which makes Bio Poly preferred for lighter colored woods that are staying clear. Can be custom tinted with Universal or Oil Based colorant. Treat as ultra deep base.

Limitations

Do not brush and roll like a polyurethane. It will not dry properly. Product is a rubbing oil, not a film former. It is 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. Clean up improper applications with Earth Clean. For severe cases use Corn Solvent. Apply only to raw wood or to wood coated with an Earthpaint rubbing oil finish. **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 overspray or dust of any sort, especially previously painted materials. Sand, Pressure wash or Strip wood until it is raw and porous.

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.

Soak Rags In Water. Do Not Leave Piled Up.

Wood & Concrete Floors: Sand & Clean professionally. Dilute up to 32 oz / gal with Pure Citrus Solvent if desired (optional). Mop onto wood in small area. Use Floor machine w/ red or tan 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.

Basic Rubbing Oil Method of Application: In a well-ventilated area, apply product by Wiping on with Rag, Mop, Lambswool, Sponge Painter, Applicator Pad, Sponge or Sprayer. Avoid applying too thick by brush or roller. Wipe off ALL excess immediately and put rags in water, don't leave them piled up since they can self ignite. 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. Use Earthpaint Citrus Solvent Cleaner and water for clean-up. Put rags in water. **DRY BRUSH METHOD:** Brush into RAW wood. Take a dry, high quality brush and brush out NT until it is soaked in. This works particularly nice for stains but requires some skill and practice.

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.

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 when spraying. 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.

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Check out our other products at

www.earthpaint.net