



TECHNICAL DATA SHEET

Mountain XT - Stain Base

Features

- May Qualify for up to Four LEED Points.
- Renewable Content 95.63%, 70% Solids Content, 51.93% Post-Consumer Waste (from citrus juicing peels and shells left over after cashew food production).
- High density wood fiber cell saturation enables a petrification effect upon maintenance.
- Sustainable | Beautiful | Pleasant to Apply.
- Tough plant oil and cashew based resins provide long lasting exterior stain.
- Excellent mold / mildew resistance without the need for benzene, IPBC or other common, highly toxic biocides.
- Patented Technology based on Cashews, 100% RENEWABLE.

General Properties

Natural, Exterior, Penetrating Oil Finish that can also be applied in multiple clear coats to form a hard, natural gloss weather barrier. Water, chemical, abrasion and UV / IR radiation resistant. Natural defenses against mold stains. Deep penetrating, clear high solids finish with excellent water repellency, and grain illumination. Hardens into wood fibers. Can be custom tinted or used clear.

Locally Harvested Ingredients: Cashew based Resin, Linseed Based Resin, Pure Citrus and Corn Solvent, Zinc Oxide, Boric Oxide, Lead & Cobalt free Mineral Salt Driers.

Recommended For Exterior Wood: Decks, Log Homes, Timber, Wood Siding, & Wood Trim.

Wood Fiber Cell Saturation:

This coating is engineered to saturate the wood fiber cell and remain in the cell. It does not wear away and get rinsed off like conventional stains. Washing and recoating this product will result in increasingly stronger and stronger durability. As the wood fiber weathers, initially, it condenses, with the cashew resin condensed into it. Thus, subsequent coats will nourish the wood fiber cell and condense into the cell until the wood becomes ever increasingly resilient.

Vehicle Type: Cashew Resin, Linseed Oil Refined Specifically for Exterior Wood Coating.

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

Volume Solids: 70%

Theoretical Coverage at 75 F (23 C) and 50% Relative Humidity:

Test a sample pint for the most accurate measurement.

Stain coverage can vary greatly based on wood type and application method. Typically, Rough and Dry Wood absorbs approximately 250-300 sft / gl.

New and Smooth wood generally absorbs approximately 500-800 sft / gl. Spruce or White Pine typically covers approx. 400 sft / gl. Yellow Pine Log Siding covers up to 756 sft / gl. New hardwood decks generally absorb 500 sft / gallon. Old severely weathered or dried out Pressure Treated Wood can absorb large amounts of deck stain. Test a sample pint on these wood types before ordering.

Recommended Film Thickness:

Product is a Penetrating Oil Stain that absorbs into the substrate and does not form a film. It can be used to form a film if desired. Apply at a thickness of 1-2 mil *if* forming a film.

Dry Time @ 77 F (25 C) @ 50% R.H.: EXTERIOR USE ONLY. DOES NOT DRY INSIDE.

Set to Touch: 12 hours.

To Recoat: Typically, 24-72 hours, or after overnight dry but humid and cold weather will slow dry. **To Service:** 72- 96 hours (Allow at least 48 hours from final coat before light floor traffic)

Dries By: Evaporation, Oxidation

Spraying: Use 0.11 tip or larger, always back brush sprayed wood. Clean spray rig with Earth Clean and Water.

Viscosity: Gardner Scale J

Flash Point: Not Less than 200 degrees Fahrenheit.

Surface Sheen: Flat. Product is a flat stain. When applied in multiple coats or used as a film forming coating it can be built up into a natural semi-gloss sheen. When weathered, a satin sheen develops after approx. 60-90 days, depending on surface smoothness.

Surface Temperature at Application:

Minimum: 45 F

Maximum: 90 F

Does not freeze at 32F but coldness slows drying.

Storage Temperature:

Minimum: 45 F

Maximum: 90 F

Shelf Life: 6 months (does not contain toxic preservatives. After 6 months, a skin may form on top of the can. Peel this away to get to good product underneath. After time, oils may thicken do not use until a test area has been done and achieves satisfactory results.

Weight Per Gallon: 8.5 lbs.

Volatile Organic Compounds (VOC):

Less than 275 g/L from Pure Citrus and Corn Solvent.

Exterior Wood Stain Colors: Product is Clear (Custom Tintable). We recommend Earthpaint's zero VOC Colorant Containers for tinting which are made mostly from earth oxide pigments and demonstrate an excellent level of lightfastness and fade resistance. 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.

Limitations: This is not the same product as Mountain XT Clear 00, which is designed as a topcoat for The Clear 00 System.

Add Corn Solvent to speed dry if needed on extractive rich woods like redwood or exotic hardwoods. These wood types tend to slow the dry time, which also aids in deeper penetration but if a faster dry is needed then add Corn Solvent. Temperature, rain, cold or more than 4 oz. per gallon of colorant can also slow the dry time.

Moisture Content Considerations: One coat is fine but do not coat wet wood with multiple coats of this very strong, waterproof coating. If you are unable to test your wood and make sure the humidity is below 18% use one penetrating coat and come back in a year to do more applications as desired. Do this so the moisture in the wood does not get trapped inside the walls.

A penetrating stain coat will remain breathable. But a film forming top coat of Mountain XT will block moisture from entering and exiting. This is a great characteristic for dry wood but not for wood that hasn't dried out properly.

If unsure apply only one coat to be safe. The wood will dry out slowly and you can apply a second coat in 1-3 years.

COATING EXTERIOR WOOD WITH MOUNTAIN XT

WOOD SURFACE PREPARATION

Wash surfaces with **Lime Clean Wood and Deck Cleaner** to open wood fiber cell pores, remove mill glaze, coatings, contaminants and extractives. Use White Distilled Vinegar to lighten wood if necessary after washing.

APPLICATION TEMPERATURE: 45-90F. (70-80F is ideal, below 45F slows drying.) High Humidity slows drying. Product is not freeze sensitive but coldness will slow drying time.

DILUTION:

None necessary on weathered wood.

IF COATING NEW or NON-POROUS WOOD:

DILUTE 4:1 - Add 1 quart per gallon of Pure Citrus Solvent, Corn Solvent or Earth Clean so the product penetrates deeply. Using Corn Solvent will speed dry time.

APPLICATION INSTRUCTIONS

Apply to Raw Wood. For Wood Substrates Only.

- 1.) Use a 3 or 4" quality natural bristle brush and a roller. (1/4 to 3/8" nap; microfiber, woven or foam).
- 2.) Apply uniformly in the amount the wood can absorb. With nourishment wood will richen in color. Brush back and forth over the surface to saturate the wood fiber cells and spread product evenly. Insure product is not too thick. Leave only as much as the wood will be able to absorb in a few hours.
- 3.) After a few hours or at the end of the day: DRY BRUSH the coated surface. Any drips, runs or finish that didn't soak in should be brushed into areas that are more absorbent. Leave an even appearance.
- 4.) Check the next morning for drips. If there is any flashing (shiny spots), wipe them off with a rag soaked in Corn or Citrus Solvent or Earth Clean and Water.

100% BIODEGRADABLE CLEAN UP: Use Earth Clean added to Water.

STORAGE: Temp 55-75F, 1 yr. unopened. Pour leftover product into smallest possible vessel size.

DISPOSAL: In accordance with local regulations. Rinse and recycle containers whenever possible.

MAINTENANCE: Wash twice a year with Earth Clean. Rinse with a hose or pressure washer. Recoat as needed.

SPONTANEOUS COMBUSTION WARNING

Vegetable oil damp or soaked rags can self-ignite. Lay flat to dry or soak in Earth Clean or soap and water, rinse well, dry flat in open air and reuse or compost.

HEALTH PRECAUTIONS: Wear impermeable protective clothing, safety glasses and rubber gloves. Avoid using overhead or spraying without fully covering with impermeable clothing, safety goggles with side shields and an NIOSH approved Respirator.

WARNING: CASHEW NUT ALLERGEN - Contact dermatitis. Certain sensitive individuals can get a temporary rash from cashew resin. Some people who are highly sensitive to poison ivy may become sensitive to cashew resin as well, use care to avoid a rash. Cashew

Resin is an upgrade replacement for carcinogenic and toxic ingredients common to wood finish but some

people can get a temporary rash from this strong finish when wet, especially when left on skin and not washed off. Please, use accordingly. Wash off skin and clothes immediately with Soap and Water. Use Rainforest Sealer

if you have skin sensitivities. Read details on product **MSDS** @www.earthpaint.net before using. Do not ingest. If irritation occurs, contact physician.

KEEP AWAY FROM CHILDREN. Emergency contact: Nationwide Poison Center Hotline:1.800.222.1222

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 ensure that the proper product is being used for each job.

VOC: <275 g/l undiluted. <250 g/l diluted with 7oz Earth Clean. Our Zero Voc Colorant lowers total VOC near or below <250 g/l depending on color selection. Our solvents are renewable plant based solvents that are biodegradable. Adding Pure Citrus or Corn Solvent will raise the final VOC depending on how much is added.

Containers: Sample Pints and One Gallon cans.

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