DENDRITICS LLC

TECHNICAL DATA SHEET

PRODUCT NAME

**Dynaseal DS500 Marine Total Wood,
Marine Concrete & Masonry**

MANUFACTURER
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PRODUCT DESCRIPTION

BASIC USE

Dynaseal 500 Waterproofer provides years of protection and does an exceptional job of limiting moisture ingress, as well as reducing fungal and microbial attack by reducing available moisture. Dynaseal is clear and will not discolor wood, concrete or masonry. A selected group of tint colors may be added. Add one bottle of tint per gallon.

Dynaseal does not contain mercury, heavy metals or silica. There is an internal chemistry which is designed to facilitate bonding to wood and cementitious substrates. When Dynaseal dries on a substrate, it does not leach out or become hydrolytically unstable, however it may be removed by wearing the substrate away or by application of strong oxidizers. It may be painted over as soon as it dries. Clean areas of overspray while Dynaseal is still wet, avoid overspray of tinted formula on plastic materials.

Dynaseal cannot be used as a stand-alone product below grade or under water. Dynaseal will not fill voids or bridge cracks. Repair all defective Concrete and Masonry to structurally sound surfaces. Caulk all expansion joints, flash roofing, and control joints as required. Dynaseal can be applied within an hour of repair. Do not apply on porous block.

PROTECTS WITHOUT BEADING
The advanced technology of Dynaseal penetrates surfaces and bonds to form a superior barrier inside the surface. Although beading may be less evident, this is the ideal application for the longest-term protection. Other waterproofers which merely sit on top of the surface will show beading but wear away more quickly, requiring regular re-application.

HEALTH AND ENVIRONMENTAL SAFETY
Dynaseal is non-flammable and is harmless to people, animals and plants. Dynaseal contains ultra-low VOCs and no petroleum distillates. Dendritics LLC has requested and received documentation that states this product contains no nitrates or phosphorous, nor does this product contain aluminum, arsenic, cadmium, chromium, copper, lead, nickel, zinc or any other metals.

Acute and chronic tests were conducted using Ceridaphnia, Pimephales, Mysidopsid and Menida. The toxicity report supports the conclusion that no acute or chronic toxicity is associated with this product when used according to the product label. Materials treated with Dynaseal and immersed after drying show no leaching capacity and therefore, no toxicity to the system. The product bonds to substrates and is no longer soluble in water. Used within the label conditions, there are no constituents in the product of concern or levels that would impact water quality. See Huther Report for test results.

Physical Characteristics	
Color	Milky White
Flash pt.	None
pH	7+
Solvents	None
lbs/gal	8.1
Specific Gravity	1.107
Viscosity	3.2 cps
Application Temp.	**35F/1.67C**
Solid Content	**10%**

APPLICATION INSTRUCTIONS

PREPARATION

- All surfaces should be cleaned before sealing for best penetration and performance. Clean all dust, debris, and loose material. Remove oil, grease, algae, grime, mold & mildew stains and mill glaze with appropriate cleaners. Recommended Dynaseal Mold and Mildew Stain Remover for wood and Concrete/Masonry.
- After cleaning, test absorbency of surface by sprinkling a few drops of water on the surface. If the water does not readily penetrate the surface, stripping will be necessary to remove old coatings prior to applying product. Retest surface after dry.
- Dynaseal can be applied on green concrete.

APPLICATION

- Do not use if air or surface temperature is below 35°F/1.67 °C.
- Do not apply in rain or when rain is imminent.
- DO NOT THIN. Mix well. Stir contents or shake thoroughly prior to use.
- Apply one coat on wood and two coats on concrete and masonry with a brush, pump-up garden sprayer, air-assisted and/or airless sprayer. Use 17 to 19 tip and medium to coarse spray pattern. Brush out any puddles.
- For best results, apply in the shade and out of direct sunlight.
- When applying in direct sunlight and wood or masonry is hot, spray with a mist of water and apply Dynaseal immediately on dampened surface.
- Apply to all surfaces and ends. Apply Dynaseal End Sealer to wood ends.
- Do not use with other waterproofing products.
- On very porous, aged wood an additional second coat may be necessary.
- Wood or masonry can be painted or stained as soon as it dries in approximately 2-3 hours.

COVERAGE

- Approximate coverage: 200-300 sq. ft/gallon per coat. Actual coverage will vary due to porosity of surface.

DRYING TIME

- Wood Surfaces: Allow approximately 2-3 hours depending on temperature and humidity before subjecting surface to light foot traffic; 24-48 hrs. for full cure, depending on temperature and humidity.
- Concrete/masonry surfaces: Allow surface to dry 1-2 hours depending on temperature and humidity.
- When recoating, apply as soon as previous coat has penetrated and the surface is damp not wet.

CLEAN UP

- Clean equipment and brushes with warm, soapy water.
- Store above 32°F/0 C protect from freezing.

OUTPERFORMS OTHER SEALERS & STAINS

- Reduces Fungal Microbial Attack
- Protects Against Mold and Mildew Stains
- Reduces Airborne Black Mold
- Penetrates & forms clear flexible polymer
- Stabilizes Wood
- Will Not Discolor Wood or Masonry Surfaces
- Resistant to Salts and Chlorides
- Tinted Formulas Available
- Paintable or Stainable
- Excellent Durability to Weathering
- Excellent Longevity
- Reduces Spalling/Cracks Caused by Moisture
- Cost Effective
- Can be Applied over Water
- Can be Applied to Damp Wood Surfaces
- Non-Combustible
- FIRE-PROOF CLASS B

ECO-FRIENDLY, SAFE

- Water-Based and Non-Flammable
- Does not contain TAPS/HAPS (Toxic/Hazardous Air Pollutants)
- Ultra Low VOCs, Non-Ozone Depleting
- Not Regulated by Authorities for Worker Health and safety or Transportation and Storage
- Will Not Harm People, Fish, Pets, Plants, or Livestock
- Will Not Burn Skin, Odorless
- Safe for Use over Fresh and/or Saltwater