

DENDRITICS, LLC

TECHNICAL DATA SHEET

PRODUCT NAME

DYNASEAL 400 POLY-PLUS Deck & Wood Siding

MANUFACTURER

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PRODUCT DESCRIPTION

BASIC USE

Dynaseal POLY-PLUS Nano Tech Eco Friendly Waterproofing Wood Protector is formulated with aliphatic polyurethane for exterior and interior surfaces to create Dynaseal Poly-PLUS. The combination of Dynaseal and Poly increases abrasion resistance and provides additional UV protection to the semi-transparent stains. For exterior/interior use on all properly prepared, unsealed wood surfaces. Allow pressure treated lumber to age 3 to 6 months before application. The nano particles in Dynaseal penetrate through the blended product into the wood and waterproofs wood equally as well as applying the Dynaseal formula without the polyurethane. By adding the polyurethane to the Dynaseal, the stains performance improves as stated above.

Dynaseal Poly-Plus 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. A selected group of tint colors may be added. Add one bottle of tint per gallon.

Dynaseal Poly-Plus does not contain mercury, heavy metals or silica. There is an internal chemistry which is designed to facilitate bonding to wood. Clean areas of overspray while Dynaseal Poly-Plus is still wet, avoid overspray.

Dynaseal Poly-Plus cannot be used as a stand-alone product below grade or under water. Dynaseal will not fill voids or bridge cracks.

BENEFITS:

- **Highly Breathable**
- **Stabilizes Wood**
- **Slight Film**
- **Resistant to Acid Rain**
- **Ultra-Low VOCs**
- **Non-Combustible**
- **Environmentally Friendly**
- **Soap and Water Cleanup**
- **Inhibits Wood Rot**
- **Tinted Formula Provides Increased UV Protection**
- **Increased Abrasion Resistant**
- **Slip Resistant**

Physical Characteristics

Color	Milky White
Flash pt.	None
pH	7+
Solvents	None
lbs/gal	8.1
Specific Gravity	1.017
Application Temp.	40°F/ 4.44 °C and above
Solid Content	16%
Viscosity	4.2
Odor	Slight Odor
VOC Content	<2gm/l
Freeze Thaw Cycle	Stable after 3 cycles
Gloss-ASTM D523 Leneta HB Chart Unsealed	
Portion	Gloss, 60 Degrees 16.5 Gloss, 85 Degrees 52.4

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, mill glaze (on new wood) with appropriate cleaners. Recommended: Mold and Mildew Stain Remover for wood.
- 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.
- Allow pressure-treated wood to age three to six months before applying Dynaseal Poly-Plus.

APPLICATION

- Do not use if air or surface temperature is below 40°F/4.44°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 when applying only clear and two coats when applying with a semi-transparent tint. Apply 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. Apply second coat of Poly-Plus within one to two hours depending on temperature. First coat should be dry to the touch.
- For best results, apply in the shade and out of direct sunlight.
- Apply to all surfaces and ends.
- Do not use with other waterproofing products.
- On very porous, aged wood an additional third coat may be necessary.

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 3-4 hours depending on temperature and humidity before subjecting surface to light foot traffic; 24-48 hrs. for full cure, depending on temperature and humidity.

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
- Penetrates & forms clear flexible polymer.
- Resistant to Salts and Chlorides
- Tinted Formulas Available
- Excellent Durability to Weathering
- Excellent Longevity
- Cost Effective
- 10-year warranty on verticals
- 6-year warranty on horizontal surfaces on

ECO-FRIENDLY AND 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, Children, Pets, Plants, or Livestock
- Will Not Burn Skin, Odorless