

PREMIUM WOOD SEALER  
**NANO-GUARD™**  
*Plus* **POLY**  
*protects against*  
WATER / MOLD / DECAY + UV / ABRASION

## Technical Data Sheet

### PRODUCT DESCRIPTION

**SEAL-ONCE® NANO GUARD™ PLUS POLY Premium Wood Sealer** combines our proprietary nano-polymers with the strength of polyurethane to provide 360° of protection. Its pliable durable finish allows wood to expand and contract while protecting against wear and tear.

NANO GUARD PLUS POLY is a water-based, eco-friendly sealer that will not harm pets, plants fish or livestock, and is safe for application around and over fresh and salt water.

NANO GUARD PLUS POLY penetrates to protect against water damage from the inside-out. It forms a long-lasting water resistant shield around the wood fibers, preventing rot, decay, mold and mildew. It also provides wood stability, eliminating warping and cupping.

NANO GUARD PLUS POLY goes on milky white and dries clear. It creates a UV-stable coating that preserves the natural color of the wood and resists weathering and decay. It is available in different semi-transparent tints.

### RECOMMENDED SUBSTRATES

- Decks
- Wood siding
- Log homes
- Thermally modified wood
- Docks
- Piers
- Fences
- Structural framing
- Outdoor furniture
- Planters
- Play structures
- Cedar shingles

### FEATURES

- Eco-friendly
- Protects against adverse weather & caustic conditions
- Forms a long-lasting water resistant shield
- Prevents wood rot & decay
- Preserves old or new wood, extending its natural life
- Creates a UV barrier to prevent natural fading
- Prohibits stains caused by mold & mildew
- Non-toxic; will not harm pets or plants
- Low VOCs
- Soap & water clean up
- Semi-transparent tints available

### PHYSICAL CHARACTERISTICS

Color	Milky white, dries clear
Flash Point	None
pH	7+
Solvents	Water
lbs/gal	8.1
Specific Gravity	1.016
Viscosity	4.2
Application Temp.	50°F/10°C* - 95°F/35°C
Solids Content	16%
Odor	Slight
VOC Content	<2g/l
Freeze/Thaw Cycle	Stable after 3 cycles

\*Do not apply when air or surface temperature is below 50°F/10°C or may fall below 50°F/10°C within 24 hours after application.

### PACKAGING SIZES

SEAL-ONCE NANO GUARD PLUS POLY Premium Wood Sealer is available in quarts, one-gallon cans, five-gallon pails and 55 gallon drums.

### FREIGHT CLASS

55



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## 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, mill glaze and mold and mildew stains with appropriate cleaners. Recommend SEAL-ONCE All Wood Cleaner.
- 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 SEAL-ONCE NANO GUARD PLUS POLY Premium Wood Sealer. Retest surface when dry.

### APPLICATION

- Do not use if air or surface temperature is below 50°F/10°C or above 95°F/35°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 first coat with a brush, pump-up garden sprayer, air-assisted and/or airless sprayer. Use 17-19 tip and medium to coarse spray pattern. Brush out any puddles.
- Allow first coat to dry completely before applying a second coat. First coat should be dry within 1-2 hours.
- Apply second coat following the same instructions as for the first coat.
- For best results, apply in the shade and out of direct sunlight.
- Apply to all surfaces and ends. Apply SEAL ENDS ONCE® to wood ends.
- Do not use with other waterproofing products.
- Allow 3-4 hours for surface to dry completely before permitting light foot traffic.

### COVERAGE

- Approximate coverage: 250-350 sq. ft./gallon per coat. Actual coverage will vary due to porosity of surface.

### DRYING TIME

- Allow approximately 3-4 hours depending on temperature and humidity before subjecting surface to light foot traffic.
- Allow 24-48 hours for full cure, depending on temperature and humidity.
- When recoating, ensure first coat has dried completely and is dry to the touch. Allow approximately 1-2 hours before second coat.

### CLEAN UP AND STORAGE

- Clean sprayer equipment and brushes with warm soapy water.
- Store above 32°F/0°C to protect from freezing.
- Shelf Life: 18-24 months
- Disposal: soap and water cleanup; no special disposal procedure needed.

### PRECAUTIONS

- Clean areas of overspray while SEAL-ONCE NANO GUARD PLUS POLY Premium Wood Sealer is still wet. Avoid overspray of tinted formulas on plastic materials.
- Safety
  - Avoid breathing in spray. If inhaled, move to fresh air.
  - Avoid contact with eyes. If splashed into eyes, rinse with clean water for 15 minutes.
  - If skin irritation occurs, wash area with soap and water.
  - If accidentally ingested, immediately drink 2 glasses of water and contact a physician. Do not induce vomiting.



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