

PREMIUM WOOD SEALER

NANO GUARD™

protects against

WATER / MOLD / DECAY

Technical Data Sheet

PRODUCT DESCRIPTION

SEAL-ONCE® NANO GUARD™ Premium Wood Sealer deeply penetrates the surface to protect and stabilize wood against adverse weather and caustic conditions. It uses proprietary nano-polymers to form a flexible breathable barrier by coating the wood fibers at the cellular level, preventing water ingress.

NANO GUARD Premium Wood Sealer allows wood to age naturally without decay, and can be used to preserve old or new wood, extending its natural life. It is non-film forming and will not alter the natural beauty of the wood.

NANO GUARD Premium Wood Sealer preserves the integrity of the wood by inhibiting rot, decay, mold and mildew growth. It is also used to preserve wood stability, eliminating warping and cupping. NANO GUARD forms a pliable breathable barrier that allows the wood to expand and contract and water vapor to escape.

The advanced technology of NANO GUARD Premium Wood Sealer penetrates surfaces and bonds to form a superior barrier inside the surface, protecting wood from the inside out.

NANO GUARD Premium Wood Sealer goes on milky white and dries clear. It is also available in different semi-transparent tints.

RECOMMENDED SUBSTRATES

- Decks
- Railings
- Cedar shingles
- Shake roofs
- Wood siding
- Log homes
- Fences
- Planters
- Outdoor furniture
- Play structures
- Structural framing
- Composite decking

FEATURES

- Eco-friendly
- Non-toxic; will not harm pets or plants
- Zero VOCs
- Non-combustible
- Non-film forming, breathable barrier
- Stabilizes & protects wood
- Prevents warping & cupping
- Inhibits wood rot & decay
- Can be applied to damp surfaces
- Prevents staining caused by mold & mildew
- Soap and water cleanup
- Clear formula can be painted or stained after treatment
- Tinted formula provides UV protection

PHYSICAL CHARACTERISTICS

Color	Milky white liquid, dries clear
Flash Point	None
pH	7+
Solvents	None
lbs/gal	8.1
Specific Gravity	1.017
Viscosity	3.2 cps
Application Temp.	45°F/7.22°C* - 95°F/35°C
Solids Content	7.5% - 8.5%

*Do not apply when air or surface temperature is below 45°F/7.22°C or may fall below 45°F/7.22°C within 24 hours after application.

PACKAGING SIZES

SEAL-ONCE NANO GUARD 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 Premium Wood Sealer. Retest surface when dry.

APPLICATION

- Do not use if air or surface temperature is below 45°F/7.22°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 two coats wet on damp 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.
- For best results, apply in the shade and out of direct sunlight.
- When applying in direct sunlight and wood surface is hot, spray with a mist of water and apply NANO GUARD Premium Wood Sealer immediately on dampened surface.
- Apply to all surfaces. Apply SEAL ENDS ONCE® with NANO GUARD to wood ends.
- Do not use with other waterproofing products.
- Wood can be painted or stained as soon as it dries in approximately 2-3 hours, if SEAL-ONCE Semi-Transparent Tints are not being used.

COVERAGE

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

DRYING TIME

- Allow approximately 2-3 hours depending on temperature and humidity before subjecting surface to light foot traffic.
- Allow 12-24 hours for full cure, depending on temperature and humidity.
- When recoating, apply as soon as previous coat has penetrated and surface is damp, not wet.

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: 3 years
- Disposal: soap and water cleanup; no special disposal procedure needed.

PRECAUTIONS

- Clean areas of overspray while SEAL-ONCE NANO GUARD 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.



Manufactured by U-C Coatings, LLC
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