



# Wood Saver Technical Data Sheet

# GoNano Wood Saver

THE ULTIMATE SOLUTION TO PROTECT ALL YOUR WOOD SURFACE WHILE DECREASING YOUR MAINTENANCE COST.

## Description

Many options exist for protecting wood surfaces from water, dirt, and the growth of microorganisms. However, conventional wood coating are only acting at the surface, creating more downsides than advantages over a certain period of time.

GoNano® Wood Saver is a 100% active nano coating that will outperform traditional coatings by modifying the wood fiber to make it more resistant to humid climates.

The exclusion of water lengthens the life of the treated woods. Surfaces treated with GoNano remains breathable and show greater weathering resistance.

GoNano Wood Saver is suitable for virtually all wood surfaces.

Regardless of whether the wood is treated or already impregnated, weathered or unweathered, and originally waxed, or varnished, our product does not affect the expansion and contraction behavior of the wood and is suitable for outdoor application without ground contact.

## Resistance against:

Water, salt, UV and organic growth.

## Color:

Transparent

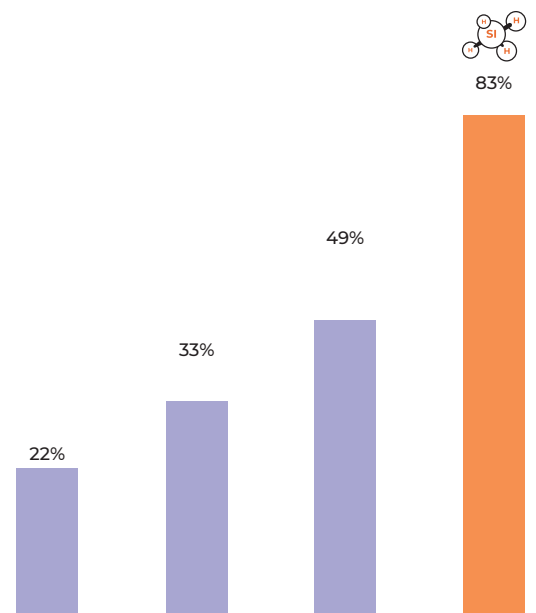
## Efficacy:

5-7 years

## Composition:

Proprietary blend of nanoparticles of silane

## WOOD PROTECTION AGAINST UV, WATER, DECOLORATION AND MOLD OVER A PERIOD OF 3 YEARS



Test based on wood in humid region

# TECHNOLOGY



## Composition

Using a proprietary blend of nanotechnology particles made from silane with a very small molecular structure allows for deeper penetration.



## Exceptional Waterproofing

Penetrates deep into almost any type of wood to chemically bond with the wood fibers to create a long-lasting hydrophobic surface that beads water.



## Resist Staining From Grease & Food Exposure

It makes oil and grease easier to clean and remove from treated surfaces, decreasing maintenance requirements.



## 100% Breathable

Non-film forming. Allows moisture within the wood to escape without adverse effects on the sealer. Does not trap moisture.



## Superior UV protection

It protects the surface from the effects of weathering and does not influence the natural change in wood color caused by UV light.



## Protects against chloride ion penetration

Forms an effective chloride screen dramatically reducing chloride ion ingress preventing chloride damage.



## Reduce maintenance cost

GoNano Wood Saver reduces maintenance requirement while a long-standing solution that will protect your wood surface for 5-7 years.



## Stops Moisture Intrusion

Increase the wood's resistance to spalling, pitting, and cracking.



## Resist Atmospheric Staining

Resists mold, mildew and efflorescence.

# BENEFITS



## Improves Durability

Prevents intake of water and the aggressive substances dissolved in it.



## Natural Flat Finish

Does not change surface appearance; UV stable will, not break down with light exposure.



## Can Be Applied

to treated or already impregnated, weathered or unweathered, and originally waxed or varnished.



## 7 Year Warranty

The product will never delaminate, diffuse, peel, or flake, and it won't discolor, turn yellow, or degrade from UV light exposure.



## Excellent Penetration Depth

into any type of wood.



## Easy application

Spray, brush or roll

# PROPERTIES

<b>Appearance</b>	Slight yellowish tint (dries clear)
<b>Packaging</b>	20L Can (Approximately 5 Gallon)
<b>VOC'S</b>	250g/L maximum
<b>Flash Point</b>	109° F (43° C)
<b>Specific gravity</b>	0.74 Density - 6.1 lb/4L
<b>Coverage per Liter</b>	55-65 SF per liter

# Protect your wood and decrease your maintenance fee

## APPLICATION

- ✔ Interior // exterior wood
- ✔ Commercial wood structures
- ✔ Horizontal // vertical application
- ✔ Log cabins

## SUBSTRATES

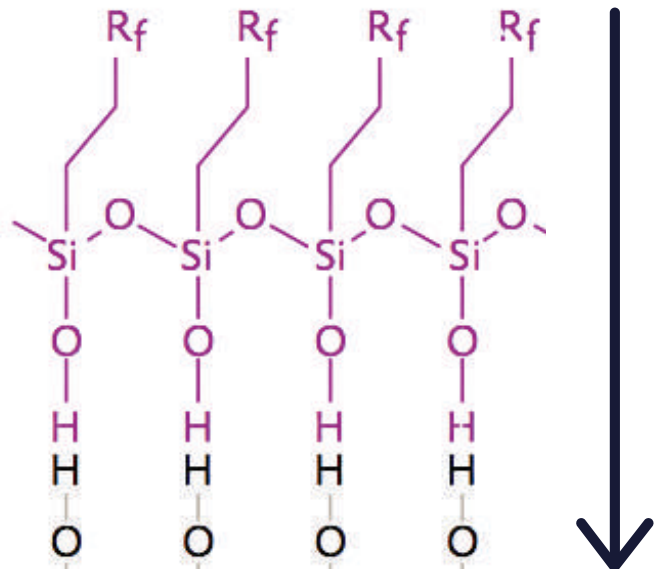


Untreated wood Showing Mold infestation after one year of external weathering in a moist climate



Wood treated with Gonano Wood Saver and exposed to the same conditions

It's more than a coating, it's a chemical reaction that modifies the wood at the nano scale.



Chemical reaction with the OH groups of the wood

## SURFACE PREPARATION

### 1 Make sure the wood is dry

New wood (freshly cut) must be properly dried before installation. In all cases, ensure the wood is completely dry before installation.

### 2 Clean

The wood needs to be cleaned, remove any: oil, grease, dirt, mold, paints, previous sealers, and other contaminants that might interfere with the penetration of the sealer.

Power wash or mechanically scarify as necessary to achieve the desired surface condition. Allow for a proper dry time before application. It may be applied to slightly damp surfaces, although maximum penetration is achieved on dry substrates. Do not apply if standing water is visible.

### 3 Installation Temperature

Surface and air temperatures must be at least 1°C (34°F) during application. Surface and air temperatures should not exceed 38°C (100°F). Do not apply when rain is expected within 12 hours following application. Do not apply during inclement weather or when inclement weather is expected within 12 hours.

### 4 Reparations

Make sure to replace portions of wood infected by mold before the application. If you are not able to clean completely out

### 5 Protection

Protect people, property, vehicles, window glass, roofing materials, plastic products, shrubbery, landscaping, and all surfaces not set for treatment from overspray.

## APPLICATION

### 1 Do a test

Always test a small area before application to ensure desired performance, aesthetics, and coverage rates and to verify the application technique. The test area dries thoroughly 5-7 days before the inspection.

### 2 Shake Product

Mix material thoroughly before and during application. Do not dilute or alter the material for purposes other than specified.

### 3 How to apply

Apply with a roller, brush, or low-pressure nonatomizing sprayer. Apply to saturation and roll or broom out any puddles until the sealer penetrates the substrate. If it starts to rain, stop treatment and cover the treated areas.



### Dry Time

Typical drying time is 4-6 hours at 25°C (77°F) and 50% relative humidity. Cooler temperatures or higher relative humidity can extend the drying time. Treated surfaces will be ready for pedestrians within 24 hours. Important to relay to homeowners so they do not spread product on to untreated surfaces. Water repellency will continue to develop within seven days of application.



### Clean Up

Clean equipment, tools, and surfaces with xylene. Unused or old material may be disposed of at a waste disposal site in accordance with your laws.



### Precautions/Safety

Avoid contact with skin, eyes, and clothing, do not take it internally. Use appropriate safety equipment during application and handling. Follows SDS Instructions

## BEST PERFORMANCE

- ✓ Proper application is the responsibility of the installer.
- ✓ Will not inhibit water penetration through unsound or cracked surfaces with defective flashing, caulking or structural waterproofing.
- ✓ Spills should not be allowed to sit for extended periods; clean all spills promptly.
- ✓ Should not get into direct contact with the ground.
- ✓ Take caution with pre-coated wood. Test small areas before application to ensure the product does not discolor the coating. Plastic windows will turn opaque when sprayed with this product.
- ✓ Make sure the most current versions of technical data sheets are being used.

## COVERAGE

Approximately 55-70 SF per liter (210-270 SF per gallon)

Variations in substrate texture and porosity will affect the product's coverage and performance.

## WARRANTY

GoNano, Inc. warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. GoNano, Inc. makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its products. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price at the sole option of GoNano, Inc.. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. GoNano, Inc. will not be responsible for any special, incidental, consequential (including lost profits) or punitive damages of any kind.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on GoNano, Inc. present knowledge and experience. However, Les Produits Gonano Inc. assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. GoNano, Inc. reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

