

**Wood Protection System
for deckings, facades and gardens**

Silver-grey wood in harmony with nature



OrganoWood®



With the OrganoWood® Wood Protection System, creating a beautiful outdoor area in harmony with nature becomes a simple task. Treated wood acquires a light, smooth surface, which naturally turns silver grey and reduces the risk of cracks forming.

Our patented technology imitates nature's smart chemistry, is based on silicon minerals, and offers a sustainable alternative to traditional wood oil and wood protection agents.

OrganoWood® makes your old decking nice again, reduces the need for maintenance, and extends the natural lifespan of the wood.



Good Environmental Choice

The complete Wood Protection System consists of Wood Cleaner (pre-wash and maintenance), 01 Wood Protection (base coat) and 02 Surface Protection (top coat). 01 Wood Protection and Wood Cleaner are eco-labeled with "Good Environmental Choice" by the Swedish Society for Nature Conservation.

Refurbish
your old
pressure-
impregnated
decking!

Inspired by nature

OrganoWood® is a Swedish innovation that imitates nature's own solutions. Our award-winning technology attaches silicon molecules to wood fibres using the patented OrganoClick® technology for modification of biofibres. The resulting encapsulation of wood fibres with the silicon molecules protects the wood and counteracts the degradation process.

Beautiful silver grey

With OrganoWood®, the wood acquires a harder, smoother surface, reducing the risk of crack generation. The wood also takes on a beautiful silver-grey nuance. On hot summer days, the wood feels cool to the touch.

The greying process requires sunlight (UV light) and water, but the time this takes varies depending on weather conditions. The effect normally becomes visible after several weeks. Initially, the colour change has a somewhat spotty appearance.

After roughly a year, treated wood placed outdoors in sunlight acquires a uniform silver-grey lustre. This may take longer for wood in shaded areas. Horizontally-mounted wood typically has a more rapid greying process than vertically-mounted wood.

Application areas

The Wood Protection System is used for surface treatment of wood outdoors in patios and gardens, for example deckings, fencing, planter boxes, outdoor furniture and docks. It is also suitable for untreated facades. Recommended woods are pressure impregnated, Thermowood, pine, spruce and larch.

The silicon penetration is most effective with absorbent types of wood, such as pine and spruce. For types of wood with a low absorbability, a short-term change in color may occur, see table. The Wood Protection System products can be used on wood that has previously been treated with oil, lacquer or glazing if the previous treatment has worn away. Wood treated with OrganoWood® should not be painted over.

For OrganoWood® silicon impregnated wood

The OrganoWood® Wood Protection System should also be used for OrganoWood® silicon impregnated wood, for example on cross-cuts, after hole-making and for maintenance. See more at www.organowood.com.



Eco-labeled and environmentally certified

01 Wood Protection and 02 Surface Protection are water-based and consist of silicon compounds and natural plant substances.

01 Wood Protection and Wood Cleaner are eco-labeled with the Swedish Society for Nature Conservation's "Good Environmental Choice". 01 Wood Protection and 02 Surface Protection are listed in the Swan Ecolabel Building Product Portal and can be used in Swan eco-labeled buildings. All products have environmental classification B with SundaHus and are recommended by Byggarverbedömningen and BASTA.



Facade with OrganoWood® silicon-impregnated wood.

Wood Cleaner: pre-wash and maintenance

Use Organowood® Wood Cleaner for pre-washing and for maintenance and general cleaning of outdoor wood, for example deckings and outdoor furniture. Maintenance washing is recommended to avoid dirt build up and growth of algae and more.



Wood Cleaner



Good Environmental Choice

**One
coat is
enough!**

01 Wood Protection: step 1 of 2

The base coat which gives wood a silver-grey surface and an improved durability as the wood fibres are being physically encapsulated with silicon molecules, which counteracts the degradation of the wood.

The product is colourless and does not noticeably alter the colour of wood immediately after it is applied. May be used for surface treatment of virtually all pressure-impregnated and untreated woods. For pressure impregnated wood, the effect lasts for up to 10 years. Treated surfaces are diffusion-open.



01 Wood Protection



Good Environmental Choice

02 Surface Protection: step 2 of 2

Top coat in order to give the wood water-repellent properties, reducing the risk of surface growth of mold and algae and creates a smooth surface that is easier to clean. Once the fluid has dried and the surface protection hardened, a hydrophobic surface is created around the wood fibres, which restricts permeation of water and waterborne dirt. It also reduces the movement of moisture in wood, which counteracts cracking.

The fluid has a whiteish colour but becomes transparent when dry. Treated surfaces are diffusion-open. Re-treat with 02 Surface Protection when necessary, for example where surfaces are worn or after heavy-duty cleaning.



02 Surface Protection



Pre-treatment: cleaning

Clean all wood surfaces with Wood Cleaner before treatment with 01 Wood Protection. This also applies to newly pressure-impregnated wood. One bottle is sufficient for 125 m² of pre-washing/heavy-duty cleaning or 250 m² of maintenance cleaning.

1. Brush away all loose dirt from the wood surface. Rinse with clean water.
2. Shake well before use. Pour into a plastic container and dilute with water according to the instructions and depending on how dirty the wood surface is.
3. Use a brush, mop or similar. Avoid high-pressure washing, as this may damage the wood.
4. Rinse with water. Allow the surface to dry thoroughly.

Tip: Wash at least 24 hours before applying 01 Wood Protection.

Step 1: base coat

Apply 01 Wood Protection on dry, clean wood. Newly pressure-impregnated wood, pine or oak should be left to dry/air for 12 weeks before treatment. Avoid rain, dew or frost.

Working temperature at least +10°C. Use approx. 1 litre for 8–10m². Cover glass, metal and any other sensitive surfaces.

1. Shake well before use. Pour desired amount into a plastic container.
2. Apply in the direction of the wood's grain using a brush or roller. One coat is sufficient. Do not use more fluid than the wood can absorb.
3. Allow to dry for 6–10 hours.

Any excess fluid may leave a white deposits that will disappear over time.

Step 2: top coat

Apply 02 Surface Protection on dry wood. Avoid rain, dew or frost. Working temperature at least +10°C. Use approx. 1 litre for 8–10m².

1. Shake well before use. Pour desired amount into a plastic container.
2. Apply in the direction of the wood's grain using a brush or roller. Do not use more fluid than the wood can absorb.
3. Allow to dry for 2–4 hours.



Maintenance

Maintenance washing with OrganoWood® Wood Cleaner is recommended. Re-treat as needed with 02 Surface Protection. If the surface is mechanically worn, for example where people often walk or move furniture, or if the surface is washed with a strong wood cleanser or high-pressure washing (should be avoided), the surface layer with wood fibres can be worn away and thus also the treatment.

Environment, safety and durability

The products are alkaline (base coat) or acidic (top coat), eyes and hands protection ought to be worn. Clean equipment with water. Store at 5–30°C. The product must not be subjected to frost. Shelf-life in well-sealed packaging: 01 Wood Protection 5 years; 02 Surface Protection 2 years; Wood Cleaner 5 years. Use only the fluid in the original packaging. Once poured, do not pour the product back into the packaging.

The products are not classified as environmentally hazardous waste. However, we recommend that leftover concentrated fluid is taken to a recycling centre since the fluids are alkaline/acidic. Recycle the packaging as plastic.

Recommended wood types	01 Wood Protection on entire surface + cross-cuts*	02 Surface Protection on entire surface + cross-cuts*	Drying time/ airing out before treatment	Maintenance as needed with 02 Surface Protection
Pressure impregnated	X	X	12w	X
Heat treated wood**	X	X	-	X
Pine	X	X	12w	X
Spruce	X	X	-	X
Larch	X	X	-	X
Oak**	X	X	12w	X
Cumaru**	X	X	-	X
Cedar (Western Red)**	X	X	-	X
 OrganoWood® timber***	see organowood.com		-	X

* If possible, also coat cross-cuts/wood ends with 01 and 02 for the best protection.

** Colour changes may occur, reverting after approx. 1 month.

*** OrganoWood® silicon impregnated wood: Special instructions apply for cross-cuts, etc., see organowood.com

w = weeks, recommended drying time/airing before treatment.



Before



After

For distributors, technical support,
product and safety data sheets, see
organowood.com



OrganoWood®

Inspired by nature  Made in Sweden

About the company OrganoWood

OrganoWood AB is a leading manufacturer of silicon-based wood protection and industrially treated environmentally certified silicon impregnated wood (decking, panels and structural timber). OrganoWood is co-owned by OrganoClick, a Swedish company that developed the patented wood protection technology. OrganoClick has received a number of awards for its green innovations inspired by nature's smart chemistry, including for its wood protection technology for modifying wood.

