ORGANOWOOD® NOTATIONS DECKING TIMBER

BIOCIDE FREE FORMULATION!



OrganoWood® Nowa Timber with a biocide-free formulation. A natural and sustainable choice!

OrganoWood[®] Nowa decking timber has a natural colouring and a smooth, even surface that greys naturally over time outdoors.

The timber is pressure treated with OrganoWood's new patented formulation to give it outstanding resistance to rot. The biocide-free formulation used in the energy-efficient process is gentle on the wood and makes it inhospitable to wood decay fungi.

The water-based mix of minerals is forced into the wood under pressure. When the water evaporates, the molecules form strong bonds with the wood fibres. This ensures a long life for the properties of the wood in damp conditions.

The raw material for OrganoWood[®] Nowa decking timber is made from high-quality pine sourced from the best pine forest regions. OrganoWood[®] Nowa is the result of the company's innovation efforts that were launched in 2015 and has been tested since 2017.

OrganoWood[®] Nowa can be painted. Leave the timber to breathe and settle for approximately 12 weeks after installation. The wood should be dry and clean. Follow the paint manufacturer's instructions.

The patented formulation and eco-friendly manufacturing process offer a sustainable alternative to traditional decking timber, with the focus on delivering environmental benefits! OrganoWood® Nowa not only offers an alternative that is better for the environment, it also blends in well with the natural surroundings. Perfect for creating attractive and harmonious outdoor spaces that will age with dignity, without having any negative impact on the environment!



Jens Hamlin, CEO of OrganoWood

"A society free of biocides and heavy metals has been our vision since 2010 when OrganoWood was founded. Our mission is to contribute to a sustainable environment and a better world in which to live.

We are committed to continually finding new solutions and improving our products. It feels good to say: The more OrganoWood is used, the more society benefits."

Nowa can be painted!

DECKING MADE FROM PINE

Environmental performance

OrganoWood® Nowa is formulated without the use of any harmful substances to withstand harsh environments. All substances are classed as non-hazardous to the environment under the definition of the CLP Regulation and can be returned to the natural cycle. It is therefore possible for timber from OrganoWood® to be recycled as untreated timber, unlike traditional pressure-treated products that may be environmentally hazardous waste.

Swedish OrganoWood[®] is one of the few producers of environmentally-certified pressure treatment preservative for cladding, decking and construction timber.

Obviously, for OrganoWood[®] Nowa to be seen as a truly sustainable option, it is also essential that the raw material is sourced from responsibly managed forests. All timber from OrganoWood[®] has been certified as meeting FSC and PEFC standards.

Protection against rot & naturally sustainable

OrganoWood[®] Nowa decking timber has undergone extensive testing at an accredited third-party facility. The timber has been tested for resistance to rot in accordance with the European standards EN 113-2 and EN 84 and, based on the results of these tests, has been given durability class 1, as defined in EN 350. OrganoWood[®] Nowa carries a 10-year warranty against rot (see the warranty certificate).

The raw timber for OrganoWood[®] Nowa is dried and planed pine, sourced from some of the best pine forest regions.

Our group of companies has been specially selected for the UN's "Unreasonable Goals" programme – for our innovative and sophisticated technologies that can measurably contribute to achieving the UN's Sustainable Development Goals by 2030.

What do the abbreviations mean?

CLP (Classification, Labelling and Packaging)

All chemical products placed on the market must be classified and clearly labelled with health and environmental hazard data. CLP is an EU regulation for the classification, labelling and packaging of chemical substances and mixtures. It is Regulation (EC) No 1272/2008.

Forest Stewardship Council (FSC)

The Forest Stewardship Council operates a global forest certification system, ensuring that products come from forests that are managed sustainably to strict environmental, social and economic standards. FSC-certified companies work in accordance with a specific set of rules for forest management and traceability, to enable consumers to choose products that take both social and environmental issues into account.

Programme for the Endorsement of Forest Certification (PEFC)

PEFC is the world's largest forest certification system whose purpose is to ensure ecologically, socially and economically sustainable management and use of forests around the world. PEFC's requirements for certification are similar to FSC's but are adapted more to small-scale forest owners.

Swedish Standard (SS)

Swedish standards are created by the Swedish Institute for Standards (SIS) in partnership with various organisations, companies and authorities. Ensuring that products and services maintain a high level of quality, promoting Swedish competitiveness and encouraging smart, sustainable social development.

All timber from OrganoWood has been certified as meeting FSC and PEFC standards.

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ORGANOWOOD PRESERVATION

The OrganoWood[®] preservation system for wood makes it easy to create a beautiful outdoor space in harmony with nature. The treated wood turns silvery grey with a light, smooth finish and is less likely to split or crack.

The patented method imitates nature's smart process and offers a sustainable alternative to traditional wood oils and preservers. The OrganoWood[®] preservation system brings new life to your old decking, minimises maintenance and extends the natural life of the wood.

Inspired by nature

OrganoWood[®] preservation system for wood is a Swedish innovation that imitates nature's own processes. Using our award-winning technology, silicon substances are bound to the fibres in the wood, thanks to the patented OrganoClick[®]technology for modifying biofibre. The process of encapsulating the wood fibres protects the wood and helps prevent the fibres from degrading.

Application areas

The preservation system can be used on all wooden structures in outdoor spaces, including decking, fences, planters, garden furniture and jetties. Also suitable for use on untreated façade cladding. Recommended timber is pressure treated, heat treated, heart pine, spruce and larch.

The preservation system can be used for treating all timber outdoors.

And used on OrganoWood® Nowa, to protect cut ends and holes and for maintenance purposes.

1 coat is sufficient

Beautiful silvery grey

OrganoWood[®] makes the surface of the wood harder and smoother and less likely to split or crack. The wood also turns a beautiful shade of silvery grey. On hot summer days, the wood will feel cooler.

The greying process requires sunlight (UV light) and water, and the time it takes for the timber to grey will vary depending on the weather conditions. It usually starts to be visible after a few weeks. The timber may look speckled to begin with.

After a year or so, treated timber that is exposed to sunlight outdoors will have an even silvery grey finish. The process may take longer if the timber is in the shade. Wood installed horizontally often turns grey faster than wood that is installed vertically.



Good Environmental Choice





OrganoWood

Sweden is a country of forests, where wood has long been the go-to building material. It is easy to understand why – wood is natural, sustainable and recyclable.

Facts about wood

Pine is a soft wood that offers numerous advantages as it is easy to work with and has a low density.

OrganoWood[®] is particularly suited for modification of pine and spruce. Pine is traditionally used for decking and structures and spruce for panels. The structure of the knots that naturally occur in these woods usually differs from one to another. The humidity and temperature of the air cause wood to expand and contract and, as a result, cracks may occur and knots may fall out during dry periods. Cracks usually close up when the humidity increases.

Wood is a living material that is always naturally seeking to be in balance with its surroundings. It expands and contracts as the humidity and temperature levels rise and fall. Both pine and spruce contain some knots, all with their own unique structure. It can be useful to know that knots may fall out during dry periods, when the wood moves and adjusts to changing ambient conditions. Cracks may also appear in the wood when it dries out, but usually close up when the humidity increases again.

Greying process

Timber greys naturally outdoors, but the greying process can differ during the seasons depending on the weather conditions and exposure to sunlight and moisture. In some cases, the timber may look speckled or have dark spots/patches to begin with. This evens out relatively quickly. After a year or so, OrganoWood® Nowa timber will have become grey in appearance if exposed to direct sunlight outdoors. The greying process takes longer or does not occur at all if the timber is fully protected from sunlight, for example, under a balcony. Wood installed horizontally (e.g. decks) often turns grey faster than wood that is installed vertically (e.g. fences).

OrganoWood also has a wide range of posts, studs, panels and battens

INSTALLATION

Carefully read through the installation instructions before installing. Detailed installation instructions are available at www.organowood.com.

Centre to centre distance

For joists exposed to normal load conditions, the studs must be spaced at no more than 600 mm on centre for 28 mm thick decking, and 800 mm on centre for 34 mm thick decking.

Ventilation

When designing and building decking, allow for good air circulation to prevent the boards from cupping. When constructing a balcony or roof terrace, make sure that the wood will always be able to dry out properly and there is no risk of any debris and dirt accumulating beneath the decking.

Cut ends

If it is necessary to saw, cut or make holes in the timber, you should re-treat the cut sections with OrganoWood 01 to prevent rot. For best results, we recommend that you also treat visible end grain with OrganoWood 02.

Storage

The wood should be stored in a dry place. If stored outside, the wood should be covered to protect it from the elements and insulated from the ground to protect it from dampness.

All building work should be carried out professionally. See the recommendations for installing decking on the Swedish Wood website.

Ground area

It is essential to have proper drainage material for the ground beneath the decking and, if it is adjacent to a house, the ground must slope away from the house. If there is a potential problem with rising damp from the ground, this must be taken into consideration when designing the structure. The decking must be at least **150 mm** above the ground.

A patio must also slope away from a house. It should have a slope of about **1 cm** per metre so that water can drain off.

Screws

Nowa does not normally need pre-drilling. However, if the screws are going to be placed less than **30 mm** from the ends of the boards, you should pre-drill the holes to reduce the risk of splitting the wood. We recommend that screws should not be placed less than **30 mm** from any edge.

Use A2 or A4 stainless steel screws, or C4 treated decking screws. The screws must be at a perfect right angle to the decking boards so that the screw heads sit flush with the board surface. Do not countersink the screws.

Spacing

Wood is a living material that shrinks and swells, depending on the ambient humidity and temperature. It is therefore very important to check the width of the boards before installing the decking to ensure there is adequate spacing between the boards. When you purchase Nowa wood, it has a moisture content of between 25% and 30%. You should therefore always leave at least **6 mm spacing between 120 mm boards and 7 mm spacing between 145 mm boards**. The table below shows the exact spacing according to size. Always measure the width of the board before installation!

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