

PRODUCT DATASHEET

01. PROTECTION: FLAME AND ROT PROTECTION



The information in this product datasheet includes guidelines for OrganoWood® 01. Protection: Flame and rot protection that comes from Safety datasheet, OrganoWood AB's test result and collected experiences about the product. OrganoWood AB does not take any responsibility for incorrect use of the product. The latest version of this product datasheet is available on OrganoWood AB's website: www.organowood.com.

Product description

OrganoWood® 01. Protection: Flame and rot protection is a water based wood protective product that consists of silicon minerals and natural plant substances. The treated timber receives protection against rot attack and adds flame protective properties.

OrganoWood® 01. is absorbed quickly by the chosen wood material where it then cures during the drying process. OrganoWood® 01. binds to the fibres in the timber thanks to the award-winning and patented OrganoClick® technology for modifying biofibres. When the silicon substances bind to the wood fibres an environment is created where wood-decay fungi do not thrive. Furthermore, the silicon substances are non-combustible, which gives the timber its flame protection.

The product is colourless and does not change the colour of the timber significantly directly after application. The treated wood takes on a beautiful silver grey hue with time.

Environment

OrganoWood® 01. Protection: Flame and rot protection contains only substances that can be returned to the natural cycle. The product is ecolabelled "Good Environmental Choice", environmentally classified B by SundaHus and recommended by Byggvarubedömningen and BASTA. All substances in the product are classified as harmless for the environment according to the Swedish National Chemicals Inspectorate.

Application areas

The product can be used for surface treatment of virtually all untreated and pressure impregnated timber with few exceptions. The treatment works well on absorbing woods such as pine and spruce. Use of the product on wood with a low absorption capacity can result in a short-term colour change. Together with OrganoWood® 02. Repellent: Dirt and water repellent creates a complete wood protective system that further extends the life of the wood, counteracts moisture damage and unwanted superficial growth.

Proceed as follows

Untreated or pressure impregnated wood, new or old, must be cleaned prior to treatment with OrganoWood® 03. Cleaner. Oiled, painted or in some other way surface treated wood must be sanded before treatment. Painting prior to the treatment is not possible as the wood protection is not compatible with paint (e.g. glazing paint).

Perform the treatment on dry wood at a temperature of at least 10 °C and with as low a risk of rain or dew. The liquid can react with glass, if there is a risk of the liquid coming into contact with the glass, cover the glass. If possible, treat all sides prior to installation.

OrganoWood® 01. (coverage about 1 litre/8-10 sqm)

1. Pour out the required amount of liquid in a separate plastic container.
2. Apply the product in the wood's direction of fibre using a brush or roller.
3. Allow to dry for about 6-10 hours.
4. Any surplus product on the surface of the wood can create white salt deposits. These can be easily brushed off with a nylon or steel brush alternatively fine sandpaper before continuing the treatment. Otherwise these will disappear in time.
5. Final treat the surface with OrganoWood® 02.

Saw cuts

In the event cutting, making holes and other minor processing is unavoidable, the processed surfaces must be treated with OrganoWood® 01. Protection: Flame and rot protection in order for the rot protection to remain optimal. We recommend that visible wood ends are treated with OrganoWood® 02. Repellent: Dirt and water repellent for the best protection.

After-treatment and maintenance

In the event of soiling or unwanted superficial growth (e.g. algae), wash the timber with OrganoWood® 03. After washing we recommend the decking is treated with OrganoWood® 02. This to create a more hydrophobic surface and minimise the risk of unwanted growth and the amount of dry cracks. On account of the denser structure and hydrophobicity created on the surface of the timber when treated with the wood protective system from OrganoWood®, traditional paint does not penetrate into the timber in the same way as normal timber. Consequently, OrganoWood® treated timber should not be painted.

Greying process

Timber that is treated with OrganoWood® 01. and 02. wood protection takes on a grey hue over time. The greying process can appear differently during the seasons and depending on the weather conditions. In some cases the greying may initially be perceived as speckled or as dark spots/fields, but this evens out relatively quickly. After about 1 year an OrganoWood® timber that is placed outdoors in direct sunlight already has a grey hue. In shadow this may take longer, but the end result is the same. Wood installed horizontally often has a faster greying process than wood installed vertically.

Cleaning equipment

After the use of the wood protective system from OrganoWood all equipment must be cleaned thoroughly with water. If the equipment has previously been used together with other chemicals, always clean the equipment before use in order to prevent problems with any possible chemical reactions.

The product should be stored in a sealed container at 10–30°C and is then stable for at two years. Old liquid should be handed in at the nearest recycling station.

