

02. REPELLENT: DIRT AND WATER PROTECTION



The information in this product datasheet includes guidelines for OrganoWood® 02. Repellent: Dirt and water 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® 02. Repellent: Dirt and water repellent is a water based wood protective product developed to improve the wood's exterior protection against dirt, water and moisture. The product consists of silicon minerals and natural plant substances.

OrganoWood® 02. binds to the fibres in the timber thanks to the award-winning and patented Organo-Click® technology for the modification of biofibres. When the liquid cures an extremely water repellent (superhydrophobic) surface is created around the wood fibres, which reduces the penetration of moisture, water and waterborne dirt. Furthermore, the timber's moisture movement decreases, which counteracts crack formation and results in a more even greying process.

The product has a whitish colour, but dries transparent. The treated wood takes on a beautiful silver grey hue with time.

Environment

OrganoWood® 02. Protection: Dirt and water repellent contains only substances that can be returned to the natural cycle. The product is environmentally classified B by SundaHus and recommended by Byggvarubedömningen and BASTA.

Application areas

OrganoWood® 02. is easily absorbed by untreated wood materials, OrganoWood® timber and timber treated with OrganoWood® 01. Protection: Flame and rot protection. The product has been especially developed for surface treatment and maintenance of OrganoWood® timber. The product can also be used on other timber, for example, traditional pressure impregnated, larch, heartwood and spruce. The treated wood receives an outer protection and in combination with OrganoWood® 01. creates complete wood protection.

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 within 24 hours. 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® 02. (coverage about 1 litre/8-10 sqm)

1. Shake/stir the tin/liquid and pour out the required amount 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 2-4 hours.
4. Maintenance is performed if necessary with OrganoWood® 02.

Saw cut

We recommend that visible wood ends are treated with OrganoWood® 02. Repellent: Dirt and water repellent for the best protection.

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.

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.

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.

