

# 02. REPELLENT : DIRT & WATER REPELLENT



### PRODUCT DESCRIPTION

OrganoWood® Repellent 02 is a water based wood treatment product developed to increase the superficial protection of the wood against dirt, water and damp. The product is composed of a water emulsion including organic silicon polymers and natural growth substances without addition of toxic heavy metals or biocides.

OrganoWood® Repellent 02 is easily absorbed by untreated wooden material. The product is specifically produced for superficial treatment and maintenance of OrganoWood® - timber. In combination with OrganoWood® Protection 01, the product creates a complete system for non-treated pine or fir in need of superficial protection. However, the product may favorably be used also on other kinds of wood such as traditional pressure impregnated wood, larch or core pine where it will act as a highly effective wood oil.

The organic silicon polymers in the product will bond to the fibers inside the wood thanks to the unique OrganoClick®-technology for modification of bio fibers. When the drying process is complete an extremely water repellent surface (super hydrophobic) has been formed around the fibers, making damp, water and water borne dirt unable to penetrate the wood.

The water repellent surface also counteract superficial growth such as mold. Furthermore, the treatment decreases the movements of the damp in the wood which decreases the generation of new cracks. OrganoWood® Repellent 02 is completely free from biocides and heavy metals such as copper, chromium and arsenic (CCA's). The product is transparent and will not discolor the treated material significantly. However, in combination with OrganoWood® - timber or OrganoWood® Protection 01 the wood might become lighter after a few days outside. As the time goes by, all wood treated with OrganoWood® Repellent 02 will age and adopt a silver grey nuance with time.

### TREATMENT INSTRUCTIONS

Wood treated with OrganoWood® Protection 01 or finished OrganoWood® timber shall be cleaned from possible salt precipitations before final treatment with OrganoWood® Repellent 02.

The surface of finished OrganoWood®-treated wood shall be treated with OrganoWood® Repellent 02, except at cut sections where OrganoWood® Protection 01 also shall be applied. Perform the treatment on dry wood in at least 10 °C and when there is a small risk of rain, dew or frost. The liquid could react with glass, therefore cover the glass if there is a risk for contact between the liquid and the glass.

**OrganoWood® 02.** Consumption approx ca 1 liter/8-10 kvm)

1. Shake the container and pour up desired amount in a separate plastic container.
2. Apply the product in the direction of the wood fibers with a brush or roller.
3. Let dry for 2-4 hours.
4. For an optimal protection, perform the treatment according to point 1-3 a second time.
5. Maintenance shall be performed when needed with OrganoWood® Repellent 02.

#### POST TREATMENT

Wood treated with OrganoWood® Protection 01 and OrganoWood® Repellent 02 will keep its beautiful natural. The wood will age naturally and become silver grey with time.

Due to the dense structure which has been created on the wood surface, conventional paints cannot penetrate the wood in the same way as on normal wood. Thus the bonding between the paint and the wood fibers gets worse. OrganoWood®-treated wood shall therefore not be painted with conventional paints. We are currently working with development of an environmentally classified paint system which is adjusted for OrganoWood®-treated wood.

#### CLEANING OF EQUIPMENT

After using OrganoWood® Repellent 02 all equipment should be cleaned properly with water and washing detergent or appropriate organic solvent (e.g. acetone).

*Important: If the product is used in equipment which has previously been used for other chemicals, always clean and remove these chemicals from pipes, spraying nozzles, and brushes in order to not cause any problem.*



#### QUICK FACTS

**Physical form:** Water emulsion

**Color:** White, becomes transparent when dry  
**pH:** 6 – 8

**Odor:** Slight odor

**Density:** 0.8 – 1.0 g/ml

**Dilution:** Shall not be diluted

**Storage and stability:** Should be kept in closed containers in 10 - 30 °C. If stored properly, the product is stable for at least 2 years.

**Ingredients:** Silicon compounds, organic catalysts

**Environment:** Does not contain any substances classified as environmentally hazardous. Judgement B by SundaHus and recommended by Byggarubedömningen. The products are registered in the BASTA-register.

**Manufacturer:** OrganoClick AB

The information in this product sheet consists of guidelines from the OrganoWood® Repellent 02 Safety Data Sheet, OrganoWood AB test results, accumulated knowledge, and experience with the product. The information is not to be used as basic data or verification for other tests or systems. OrganoWood AB does not take responsibility for any other usage areas or any misuse of the OrganoWood® Repellent 02 product. The latest edition of this product sheet is available on OrganoWood AB's website: [www.organowood.com](http://www.organowood.com).