

# ORGANOWOOD®

## INSTALLATION INSTRUCTION

OrganoWood® is environmentally classified wood modified with silicon that gives a long life and a beautiful silver grey hue. The patented technology give the timber rot protection, creates a water repellent surface and improves the flame protection. The process has been developed with inspiration from the natural fossilization process where minerals penetrate and mineralise organic materials. For complete product information and more technical specifications, see the product sheet for each product.



### QUICK FACTS

**Product:** OrganoWood® modified decking timber.

**Appearance:** Natural wood coloured pine, turns silver grey.

**Rot protection:** Tested according to SS-EN 84, SS-EN 113 and classified according to EN 350-1.

**Country of origin:** Sweden.

**Form stability:** Pine swells/shrinks approx. 1% at 4% moisture ratio change.

**Dimensions:** 22x95, 28x120, 28x145, 34x145, 45x145, 45x170.

**Environment:** Contains no substances that are classified as harmful to the environment. Assessment B by SundaHus and recommended by Byggvarubedömningen. Registered in the Nordic Swan's house product portal and BASTA register.

**Certificate:** All OrganoWood® decking timber is FSC® (FSC-C120532) or PEFC certified.

**Application areas:** Outdoors.

**Recycling:** As untreated timber.

**Warranty:** 10-year rot protection warranty according to the warranty certificate.

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## PREPARATORY WORK

- C/C joist spacing (not public use):

For thickness 22 mm, max c/c 400 mm.

For thickness 28 mm and 34 mm, max c/c 600 mm.

- Drop: Create a slight drop out from the house (about 1 cm per 4 metres).

### Storage

Store the timber covered and well ventilated before installation.

### Ground area

The ground below the decking must consist of a draining material with a drop from the house. If there is a risk of rising ground moisture, then particular attention this must given to this when designing the structure.

### Ventilation

We recommend that the decking has a spacing of at least 300 mm to the ground in order to reduce the moisture problem in the wood. We recommend, in terms of the structure, that the floor is ventilated from below to minimise problems with buckling.

## FASTENING

- Number of screws per fastening point: 2 or 3 pcs.

### Predrilling

Generally, OrganoWood® does not need to be predrilled. However, predrilling is recommended if screws need to be placed closer to ends than 4 cm.

### Fastening

Use good quality stainless steel screws in grade A2 or A4, or surface treated screws in quality C4.

### Screw consumption per sqm

At 22x95 with cc 400: approx. 55 pcs/sqm.

At 22x120 with cc 400: approx. 40 pcs/sqm.

At 28x120 with cc 600: approx. 30 pcs/sqm

At 28x145 with cc 600: approx. 35 pcs/sqm.

At 34x145 with cc 600: approx. 35 pcs/sqm.

(NOTE 3 screws/fastening points for 145 width.)

## INSTALLATION

### Air gap

OrganoWood® modified decking timber delivered dry (moisture ratio about 18 %). Therefore use an air gap between the boards of at least 7 mm for a width of 120 mm, at least 9 mm for a width of 145 mm and at least 11 mm for a width of 170 mm. Variations in the wood's moisture ratio (season variation) can affect the decking's actual dimensions, always check the width of the wood prior to installation to adapt the width of the air gap.



120 mm - at least 7 mm

145 mm - at least 9 mm

170 mm - at least 11 mm

### Saw cut

In the event cutting, making holes and other minor processing in the timber is unavoidable, the processed surfaces must be treated with OrganoWood® 01. Protection: Flame and rot protection in order for the root protection to remain optimal. The OrganoWood® warranty becomes void if any other processing is performed, e.g. cleaving or other longitudinal processing such as planing and shaping. We recommend that visible wood ends are treated with OrganoWood® 02. Repellent: Dirt and water repellent for the best protection.

