

# WOOD



# BLISS 1

Wood protection starts in the head!

## Wood protector



**natural ...clever**

Formulated and produced based on patented method

**Without any insecticides and fungicides**

With international certified tests  
Approved by the Building Inspection in Switzerland

### Free of pollutants

Therefore applicable in areas such as:  
Groceries, allergic and sick people, small children and animals (e.g. bees and stables)

### Wood reinforcement

**Reduces existing pollutant emission** – without self-emission  
(University of Hamburg-Harburg)

### Against

**Parasite infestation** (house long horn (see EN 46) and **fungus infestation** (EN 113))

**Protection against termites** (see test of MFL, USA) and **fire** (see test of UL, USA and EMPA, CH)



## Wood Preservation Starts in the Head!

With increasing regularity every spring the wooden lattice fences of the front gardens are smelling of the notorious creosote treatment.

Until a few years ago wooden panels or ceiling beams were painted unsuspectingly with highly dangerous toxins like PCB or Lindan, and so these substances were taken into the living rooms. Several reports about entire families that became sick, about houses that became uninhabitable, about protracted compensation lawsuits that are often futile are publicly known.

Even though these substances were banished to a large extent and replaced by other hardly less risky products, we will face a huge avalanche of toxic waste coming our way with the rehabilitation of those flats and houses. Boiler pressure impregnated roof trusses, palisades, children's play equipment, lawn- and track edgings as well as wood floorings will make a considerably negative contribution to this.

Wood and timber treated that way end up at a waste dump, lie around unnoticed or get burned, but the released toxins will catch up with us again.

It is our task to create a wood preservative which on one hand allows for the further existence of insects and fungi and for their ecologically worthwhile part in the cycle of nature, and on the other hand to make sure that the wood which is supposed to be used won't get destroyed by parasites and fungus formation.

Based on a philosophy which acknowledges the interdependency and interconnectedness of all life, this new approach to wood preservation could be developed.



With the invention of WOOD BLISS 1 we have found an agent that makes wood unrecognizable for insects and fungi. Thus we do not need any toxins or controversial substances like borax (borate, boric acid) or scents that cause allergic reactions, so that the important insects as well as the wood are preserved.

In many areas of everyday life products that endanger humans and environment are replaced by environment-sustaining and life-promoting products.

The protection of our environment, health and quality of life ought to be not just philosophy but become a real aim in life.

# WOOD



# BLISS 1

## Wood Preservation Starts in the Head

### The Product

WOOD-BLISS 1 is a solvent-free, water-dilutable, wood preservative that works against fire, insects, even termites, as well as fungus and is produced on the basis of mineral and re-growing resources.

### Ingredients

WOOD-BLISS 1 is composed of mineral and plant resources such as potassium carbonate, silica, abietic acid, cellulose, xylose, water.

### Innovative Advanced Active Principle:

The nutrients that the insects are searching for are eliminated until penetration depth. At the same time the treated wood is made unrecognizable for the parasites as their source of food.



Its special immediate parasite-fighting effect lies in the way that WOOD-BLISS 1 fills out the food ducts and immobilizes the insects once they come into contact with it.

### Intended Purpose:

1. To protect the wood against parasite infestation, fungus infestation, termites and fire (International test certificates)
2. In case of fire the treated wood is protected from fire expansion and smoke development.
3. Immediate effect in the case where wood is already infested by insects and fungus.
4. Blocking effect against pollutant emission without self-emission.

Emissions of biocides that are classified as toxic like Lindan-PCP from wooden components can be reduced by using WOOD-BLISS 1. After 30 days and two applications of WOOD-BLISS 1 the reduction of pollutant emission of about 50% with Lindan and DDT as well as 70% with PCP can be verified.

### Areas of Application:

- all indoor roof beams
- exterior wood, here an additional wet protection is necessary

### Recommendation :

- Oil coating such as crude linseed oil, stand oil and boiled linseed oil
- wood in the vicinity of allergic and sick people as well as children

- wood in the vicinity of animals (e.g. bees and stables)

- reduction of pollutant emissions

## Preventive Application

### a) Application possibilities

Protection from insect- and fungus infestation: WOOD-BLISS 1 dilution 1:3 (1 part WB 1 and 3 parts water); 2 coatings (await drying) (EN 46 and EN 113)

Amount : 200 ml/m<sup>2</sup>

### Termite protection:

WOOD-BLISS 1 dilution 1:3 (1 part WB 1 and 3 parts water, apply twice (allow to dry) (according to MFL-Mississippi Forest Product Laboratories, USA)

### Fire protection:

Pre-treatment: apply WOOD-BLISS 1 once in 1:3 dilution (1 part WB 1 and 3 parts water)

Main treatment: : 2 applications of WOOD-BLISS 1 as concentrate (according to UL, Underwriters Laboratories Inc., USA and EMPA, CH))

### Fire retardant:

WOOD-BLISS 1 diluted with water 1 : 3 (1 part of WB1 and 3 parts of water), apply twice

### Pollutant emission reduction:

2 applications (allow drying)

(University of Hamburg-Harburg, Germany)

**Application can be done by painting, rolling-on, dipping and flooding as well as by boiler pressure.**

**Application tip : in case of house longhorn infestation**

The infested areas can be located by stethoscope, if applicable.

### a. Food duct saturation:

Injecting into the open food ducts with the aid of an ordinary injection syringe and a long cannula.

### b. Drill hole saturation:

Additionally a drill hole saturation can be done: Drill holes of 2-3 mm in diameter are placed 15-20 cm (6-8 inches) apart and injected.

Normal dilution is 1:2

It is essential that the agent reaches the infestation.

If work is done above the head: Drill holes need to be sealed with wax or the like before the injection.

If decorative paints are to follow the wax might need to be removed.

### c. Prevention of egg deposition:

Remove old coats if necessary and additionally apply WOOD-BLISS 1 in dilution of 1 part WOOD-BLISS 1 and 3 parts water (1:3)

### Usage for wood solidification:

Certain parasites and fungi infiltrate the wood deeper. This causes the loss of mass and stability. WOOD-BLISS 1 fills out the food ducts, strengthens wood that has become unsound and replaces the lost wood pulp. Like this expensive restoration or even demolition of the wood can be prevented..

## **ATTENTION:**

*Unprotected parts such as glas- and metal partsshould be well protected – as is the normal rule with paints- if a special metal patina is not intended!*

*If Wood Bliss was accidentally put onto unprotected metal or window grate it should be removed with adamp cloth immediately.*

### **Application in case of fungus infestation**

WOOD-BLISS 1 in 1:3 dilution, apply twice. In case of severe and deep infestation apply Wood Bliss 1in concentrated form as after-treatment.

The ingredients -made of natural components in a patented process- cause according to our experience the penetration of WOOD-BLISS 1 into the wood damaging fungi, whereas its alkalinity contributes to an immediate effect in the fungus typically acidic organism.

In the drying and subsequent crystallization the fungi are destroyed through he mechanical destruction of the cellular structure.

After a few weeks a whitish surface can appear (crystallization, supernatant), which is also a sign of effectiveness .This crystalline layer can be removed if not appreciated as a decorative factor.(for example burl wood, spittle, grinder and the like) The wood could also be given an oil (e.g. crude linseed oil, stand oil, boiled linseed oil) or wax, whereby the crystalline surface disappears. Furthermore an effective wet protection is also provided. If another wet protector is used it should be tested in an unseen spot so that reactions of incompatibility are avoided!

WOOD-BLISS 1 can cause discolouring in certain woods (for example oak wood), which will however regress within 5 months as research in Germany and Switzerland have attested.

## **b.) Treatment**

### **Preparation:**

Dirt, water-repellent substances and old paints need to be removed Metal parts should be covered well!

### **Treatment with dilution 1:3**

1. One part WOOD-BLISS 1 (if only a part is taken out the concentrate should be stirred well beforehand) is mixed with 3 parts of water.
2. Paint, roll-on, dip or flood once and then allow to dry until the water has evaporated. Repeat this process if necessary.

### **Treatment as concentrate**

1. Stirr WOOD-BLISS 1 well
2. Apply WOOD-BLISS 1 by painting, rolling-on, dipping or flooding. All parts of the wood have to be covered by WOOD-BLISS 1. Insert WOOD-BLISS 1 through drill hole saturation or injection.

3. Note that the treated wooden parts should not touch while drying because they would stick together.

4. The wood that was treated this way has to dry long enough so that the surface is not sticky anymore.

5. Repeat this process if necessary.

### **Precaution**

It is recommended to wear safety gloves and glasses during the treatment because of the alkalinity (as in soaps and soda products). (After drying WOOD-BLISS 1 is neutral).

If contact with the eyes happens accidentaly, rinse immediately with a lot of water and consult with a doctor if necessary.

If skin has come into contact with WOOD-BLISS 1 it should be washed immediately and lotion should be put on.

### **Cleansing**

WOOD-BLISS 1 should be cleansed right after the use of tools and items that have come into contact with it.

### **Storage**

Close the container well after use to prevent desiccation. WOOD-BLISS 1 can be stored infinitely regardless of the outside temperature.

### **Disposal**

Dried-up WOOD-BLISS 1 can be disposed like ordinary household waste.

### **Biological characteristics**

1. WOOD-BLISS 1 contains no toxicologically questionable ingredients, which was proved by tests that evidenced its non-toxic nature: TÜV, Ökotest, TU Hamburg-Harburg, Lafu GmbH
2. WOOD-BLISS 1 requires no marking according § 4 of the Ordinance of Hazardous Substances.
3. There is only water vapour, no release of fumes (no self-emission)
4. It is food-safe and even safe for bees

*This information about the usage and characteristics of this product is given to the best of our knowledge based on our studies and experience. Since it is not possible to go into the various details and since we have no influence on the actual and practical usage of the product, these are non-committal statements.*

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