



THE BEST FOR YOUR WOOD

Koranol® Holzbau Grund

(Wood Construction Primer)



Wood preservative for use in accordance with DIN 68800-3 (2020-03) and DIN 68800-4 (2020-12)

1. Product description

Product type	Solvent-containing wood preservative for preventive protection (test marks Iv, P) from wood-destroying insects, wood-discolouring and wood-destroying fungi as well as for control (test mark Ib) of infestation by wood-destroying insects.
Effect	Provides wood with preventative protection from wood-destroying fungi and insects (incl. termites). Controls infestation by insects (house longhorn beetle, powderpost beetle).
Application area	Koranol® Holzbau Grund (Wood Construction Primer) may be used on all woods assigned to use classes 1, 2 and 3. A final coating (scumble, paints or varnish) without a biocidal function must be applied to treated wood that is openly exposed to weathering.
Product authorisation	Approved biocidal product as per Regulation (EC) 528/2012.
Quality control	Materials Testing Institute, Eberswalde, Germany – Materialprüfanstalt Brandenburg GmbH
Active ingredients	100 g contains 0,45 g Propiconazole 1,40 g IPBC 0,20 g Permethrin
Properties	<ul style="list-style-type: none">• Quick and deep penetration into wood• Low-odour – odourless after drying• Permanent protection against new infestation• Enhances durability and the adhesion of subsequent coats• Fitting for subsequent coating or painting

**User categories,
application methods**

User category: industrial user

Application method	Effect, target organisms
Fully automatic and manual dipping, flooding (Flow coating), spray tunnel method	Preventive protection against wood-discolouring and wood-destroying fungi and wood-destroying insects incl. termites (use classes 1, 2, 3)

User category: professional user

Application method	Effect, target organisms
Brushing, rolling	Preventive protection against wood-discolouring and wood-destroying fungi and wood-destroying insects incl. termites (use classes 1, 2, 3)

User category: skilled user with certificate of competence in accordance with Annex I no. 3 of the German Ordinance on Hazardous Substances [GefStoffV]

Application method	Effect, target organisms
Borehole impregnation, borehole pressure impregnation, brushing, rolling	Control of infestation by wood-destroying insects (use classes 1, 2, 3)

Stain

Colourless

Corrosion behaviour

Does not cause any degradation of glass and metal.

Container sizes

5 l | 20 l | 200 l | 1.000 l

Durability

24 months

2. Technical data

Density 20 °C

0,81 g/cm³

Viscosity 20 °C

According to DIN/ISO 2431 (cup DIN 3 mm, about 24 sec.)

Flashpoint

According to DIN EN 53213 > 61 °C

3. Processing

Preparation

Remove any opaque paint systems, clear varnishes or thick-film glazes completely. Clean dirt and dust off wooden surfaces. Cover bituminous materials and plastics as well as plaster, concrete and stoneware to

protect them. Tie back plants, do not wet them. Planed wood surfaces should be sanded for improved material absorption (grit 80/120).

If control of existing infestation is needed: Eliminate any destroyed wood. On the remaining wood, expose the feeding passages by brushing them out with a wire brush and remove the drill dust. Permanently reinforce or replace statically weakened woods with previously impregnated woods.

Carry out borehole treatments only on freely accessible wooden components. Do not drill through covered components (e.g. planks), as the wood preservative can run uncontrollably into fills. When treating underplank areas, remove existing fills and insulating materials and reinsert them only after superficial drying.

As part of control measures, all remaining and newly installed wooden components must be chemically protected against re-infestation by means of preventive treatment.

Application

Koranol® Holzbau Grund (Wood Construction Primer) is delivered ready for use and must not be diluted. Stir well before use.

During the application of the wood preservative and the drying phase, the soil must not be contaminated. All product losses must be contained by a suitable covering of the floor (e.g. tarpaulin) and disposed of safely.

Application methods

Fully automatic dipping, manual dipping, flooding (Flow coating), spray tunnel method, brushing, rolling, borehole impregnation, borehole pressure impregnation

Tested application quantities and frequencies

Brushing, rolling, dipping process, flooding (Flow coating), spray tunnel method:

- Preventive protection: 100 ml/m²; for protection against termites: 250 ml/m².
To be applied in 1-2 operations.
- Control measures: 350 ml/m². To be applied in 3 operations.

Borehole treatments:

- Control measures, including preventive protection: 10 kg/m³

Instructions for use

Dipping process, flooding (Flow coating), spray tunnel method:

The transport of Koranol® Holzbau Grund (Wood Construction Primer) into the plunge pool or system should be automated by connecting pipes.

Koranol® Holzbau Grund (Wood Construction Primer) is approved for both fully automated and manual dipping. In the fully automated process, the impregnation material (loading and unloading of the plunge pool, transport to the storage area) must be carried out by forklift. In the case of manual dipping, individual steps of the treatment are carried out manually by the employee (e.g. stacking the treated wood for drying, etc.).

In the flooding process or spray tunnel process, the wood is passed through a closed tunnel in which Koranol® Holzbau Grund (Wood Construction Primer) is applied. The wood is brought in through the front of the flooding system, while the treated wood comes out dripping wet at the back of the system. After flooding, the treated wood is passed through a drying channel, where the wooden objects are dried with a stream of warm air.

The use of the wood preservative in a stationary system may only be carried out under roof and on an impermeable, hard surface above a drip tray. Freshly treated wood must be stored under roof and/or on impermeable, hard surface. Excess liquid and drip losses must be collected in the immediate vicinity of the system and disposed of properly or returned to system operation. Any exceeding amounts of liquid solution must be collected and reused or disposed of as hazardous waste. They must not be allowed to enter the soil, groundwater, surface water or sewerage.

Brushing, rolling:

Apply Koranol® Holzbau Grund (Wood Construction Primer) to the wood with a brush/roller directly from the original container. The application quantity must be determined taking into account the surface to be treated.

Borehole treatments:

In the case of borehole treatment, it is necessary to drill boreholes with a diameter of 10 - 15 mm and a depth of 80 mm. The distance of boreholes must be 20 cm horizontally and 10 cm vertically.

After borehole treatment, each borehole must be sealed with an impregnated hardwood dowel.

Borehole impregnation (unpressurized borehole treatment):

The application is carried out by triple filling the boreholes with a total of about 20 ml of Koranol® Holzbau Grund (Wood Construction Primer) each. The waiting time after each filling is about 30 minutes.

Borehole pressure impregnation (pressure injection method):

The application is carried out by injecting about 20 ml of Koranol® Holzbau Grund (Wood Construction Primer) once into each individual borehole by means of injectors (so-called packers).

In order to ensure the effectiveness of the control measure, the borehole treatment method should be combined as far as possible with a control measure on the surface (painting, rolling) with an application rate of 350 ml/m².

Drying

During the application and drying time of the wood preservative, ensure sufficient air supply. Use mechanical ventilation or keep windows and doors open (cross ventilation). Minimize the length of stay in the application area.

Rooms can be used again 48 hours after application. In case of borehole treatment, the drying may take up to 1 week.

Overpainting

After drying, it can be overpainted with solvent-based, aqueous scumblers paints and varnishes. Can be overpainted after 5 days at the earliest. A test coat is generally recommended.

Cleaning the tools	Clean with brush cleaner or resin thinner.
Properties of treated wood	The combustibility of the treated wood is not increased after the wood preservative has dried.

4. Special instructions

Instruction for first aid measures Take off contaminated clothing. In case of doubt or if symptoms occur, seek medical advice. Don't put anything into the mouth of an unconscious person or of a person with convulsions. Pyrethroids can cause paresthesia (burning and tingling of the skin without irritation). If symptoms persist: seek medical advice.

After inhalation: Take the person out into the fresh air and keep him at rest by putting him into a position that makes it easier to breathe.

After contact with skin: After contact with skin, wash immediately with plenty of soap and water. In case of skin reactions, seek medical advice.

After contact with eyes: Rinse gently with water for a few minutes. In case of eye irritation, consult an ophthalmologist.

If swallowed: Rinse mouth. DO NOT induce vomiting.

Self-protection of the first aider: First aider: Pay attention to self-protection!

Information for the doctor: Treatment: Treat symptomatically.

May cause allergic skin reactions. Can be fatal if swallowed or if it enters the respiratory tract. Causes severe eye irritation. Repeated exposure may cause skin dryness or cracking. May damage the organs (larynx) in case of prolonged or repeated exposure. Very toxic to aquatic organisms, with long-term effects. May cause harm to the unborn child.

Safety measures: Use only in well-ventilated areas. Do not inhale gas, smoke, vapour, mist, dust or spray.

Accidental release measures

Personal precautions, protective equipment and emergency procedures: Take the usual precautions when handling chemicals. Use personal protective equipment.

Environmental protection: Do not allow to enter surface waters or drain. Prevent spread over a wide area (e.g. through containment or oil barriers).

Methods and material for containment and cleaning: Pick up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acidic or universal binders). Collect in closed and suitable containers for disposal.

Instructions for use and warnings

Read product information before use and be sure to follow the instructions. Wood preservatives contain biocidal active ingredients to protect the wood against harmful organisms. Therefore, please only use them as per the instructions for use and only in places where the wood needs to be protected. Misuse may cause health problems and lead to environmental damage.

When handling the product and the treated wood, as well as during the maintenance of the equipment, wear appropriate chemical protective gloves and clothing as well as eye / face protection.

The application in case of control measures against existing infestation may only be carried out by skilled users with a certificate of competence in accordance with Annex I no. 3 of the German Ordinance on Hazardous Substances [GefStoffV].

Avoid skin and eye contact. Wash hands and exposed skin before eating and after application. Do not contaminate food, eating utensils or surfaces that come into contact with food. Do not use on wood that comes into direct contact with food, animal feed and livestock. Keep children and pets away from treated structures until dry. Avoid prolonged contact of pets, especially cats, with treated structures. Do not use in living and sleeping areas, even if there is an active and visible infestation of pests.

Can be harmful to protected species such as bats, hornets or birds. The presence of protected animal species in the area of application must be checked before using the wood preservative. If necessary, appropriate protective measures shall be taken. Likewise, do not treat beehives, greenhouses (indoors) and sauna facilities (indoors) with it. Do not use near water bodies or in water protection areas. Do not contaminate soil, water or watercourses with wood preservatives or used containers. Do not contaminate plants. Cover fish ponds before use. Do not allow to get into the sewer system.

Do not work in open light or open fire. Keep away from sources of ignition. Do not smoke. Take precautions against static discharge.

Termites as target organisms do not occur in harmful quantities in Germany and Austria. However, the treatment of wood against termites is permitted in these countries if the wood is intended for export.

Storage and environmental protection

Store only in original containers, protected from frost and at temperatures below 30 °C. Keep out of direct sunlight. Close the container tightly after use.

Do not store or apply at temperatures below +5 °C or above +30 °C (applies to surface, Koranol® Holzbau Grund – Wood Construction Primer and ambient temperature).

Waste management in accordance with Directive 2008/98/EC

Ensure proper disposal of unneeded product residues, contaminated material as well as containers that are not empty (collection point for hazardous waste, collection point for problematic substances, or authorised collectors of hazardous waste). Contaminated packaging must be treated in the same way as the wood preservative.

VOC content

Does not require labelling according to Directive 2004/42/EC.

EWC/ German Waste catalogue regulation [AVV]

03 02 05 - Other wood preservatives containing dangerous substances.

Further documents on Koranol® Holzbau Grund (Wood Construction Primer) can be requested from us or are available as a download on the Internet at www.kora-holzschutz.de ⇒ Products ⇒ Koranol® ⇒ Koranol® Holzbau Grund (Wood Construction Primer).

The above information has been compiled according to the latest state of knowledge in development and application technology and contains general advice. It describes our products and provides information about their application and processing.

Since the application and processing is beyond our control, we are only liable for the consistent quality of our products in accordance with our General Terms and Conditions of Sale and Delivery. In case of doubt, please seek our technical support.