

### Description

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| <b>Intended use:</b>  | Colourless, water-based wood preservative to fight successfully against xylophagous insects like furniture beetles (anobium), house longhorn beetles (hylotrupes) and lyctus beetles (lyctus). At the same time, this product provides a preventive effect/ protection against new infestation. Wood that have been treated with MIPA Holzwurmtod meets the VOC criteria for indoor air defined by the Committee for Health-related Evaluation of Building Products. |                               |                   |
| <b>Properties:</b>  | <ul style="list-style-type: none"> <li>- Targeted insect control, fast and durable</li> <li>- Suitable for all types of wood</li> </ul>  |                               |                   |
| <b>Active substances:</b>   | This product contains biocidal substances with insecticidal properties. Active substances: 0,267% Permethrin (0,267 g / 100 g).  |                               |                   |
| <b>BAuA-Registration number:</b><br><small>(Federal Institute for Occupational Safety and Health)</small> | DE-0014304-01-0001-08  |                               |                   |
| <b>Specification:</b>   | Specific weight:   | approx. 1,0 g/cm <sup>3</sup> | <b>DIN 51 757</b> |
|   | viscosity:   | approx. 10 s 4 mm             | <b>DIN 53 211</b> |
|   | pH value:  | 7,0                           | <b>DIN 53 785</b> |
| <b>Storage:</b>   | Storable at least 2 years in tightly closed original containers, Keep it in dry and frost-free places at a temperature between +5 °C and maximum +30 °C.<br>Observe storage regulations for liquids hazardous to water. Wood preservative must not contaminate soil, ground or surface waters. Do not store together with food and feed.   |                               |                   |

### Application

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| <b>Processing conditions:</b> | Do not apply at a substrate and ambient temperature below +5 °C or above +30 °C or at a relative air humidity of more than 80%. Do not apply if exposed to direct sunlight, rain, high wind or upcoming frost.  |
| <b>Substrates:</b>            | wood, wood-based materials with maximum 30% wood moisture according to DIN 4047.  |
| <b>Preliminary work:</b>      | In case of a live infestation by dry-wood insects, determine its spread. In addition to the solid woods, the flooring and, if necessary, cladding must also be removed to such an extent that the ceiling beams and flooring sleepers can also be inspected in areas of risk. Remove decayed parts from solid woods. Sections, of which the cross-section is reduced more than statically permissible, must be reinforced or replaced with new wood or other suitable building materials or components. In the remaining wood, brush out thoroughly the exposed tunnels (also known as galleries) and clean the surfaces of the other wooden parts. The removed, destroyed wood residues must be immediately collected and disposed of. |

This technical data sheet is supplied for informational purposes only! According to our information, all data and recommendations correspond to the state of art and are based on years of experience in manufacturing our products. They do not exempt the user from his obligation to verify professionally, on his own responsibility, the suitability of our products to the intended purpose under prevailing conditions. Safety data sheets and warnings on packaging must be observed. We reserve the right to modify and to complete the information content at any time, without prior notice or obligation to update.

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| <b>Substrate preparation:</b> | Old paint and dirt must be removed as much as possible in order to ensure the successful insect control. Use sanding paper or a scraper to remove all dead wood. Prior to application, wash resinous woods with a solvent-based thinner and allow complete drying. Pitch pockets must be scraped out. Only apply on frost-free wood. Well adherent old paintworks must be removed by sanding, and remove the dust. Pre-treat adjacent metal parts with an anticorrosive product.  |
| <b>Wood treatment:</b>        | Apply generously at least two layers on prepared wood. The subsequent operation can be carried out immediately after the wood has absorbed the protective agent. Treat difficult to reach areas by impregnating drill holes. Repeat this way of impregnating several times and close these holes with dowels.<br>Attention: In case of listed buildings, insect control measures may be subject to special regulations. In the case of antiques, the protective agent must be carefully injected in the holes by means of a hypodermic syringe. |
| <b>Application:</b>           | brushing, low-pressure spraying, impregnation by drill holes  |
| <b>Dilution:</b>              | The product is ready for use and must be applied non-diluted.   |
| <b>Drying time:</b>           | Recoatable after approx. 12 hours   |
| <b>Aftercare:</b>             | In order to ensure a durable beauty of the wood, we recommend applying a subsequent coating with wood paint.  |
| <b>Spreading rate:</b>        | Use for insect control: approx. 300 ml/m <sup>2</sup> in at least 2 operations.<br>Preventive use: approx. 200 ml/m <sup>2</sup>  |

### Special notes

The preserver contains biocidal active ingredients to control an existing infestation by house longhorn beetles or powderpost beetles in installed wood components and is used preventively to protect against xylophagous insects. It should only be used where control measures are required and if there is no other remedy to reasonably resolve this problem. (see standard DIN 68 800-4, especially paragraph 2).

When applying the product e.g. by brushing ensure the ground is well covered by a plastic sheet or tarp to prevent the product from entering the soil (drip losses). Treated wood must be stored on a hard and impermeable support until its complete drying in order to avoid that the product gets in the soil and ground or surface waters.

Do not use this product for wooden components that may come in direct contact with food or animal feeding stuff; do not contaminate these surfaces! Never use the preserver for wood which is used for beehives, for sauna or interior fittings of greenhouses.

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### Safety advices / First aid measures

Observe the limit of wood dust of 2 mg/m<sup>3</sup> according to TRGS 553 when processing the treated wood (e.g. cutting, sanding).

When applying, respect particularly the applicable regulations for health and safety and for accident prevention. See the code of practice for handling with wood preservatives edited by Deutschen Bauchemie e.V. and the safety data sheet.

Ensure adequate ventilation during and after the wood preservation treatment. Protect absorbent insulating material from wetting.

Do not eat, drink and smoke during work. After the work, wash your hands thoroughly with water or use an appropriate cleaning agent.

Avoid any unnecessary contact with the product. Misuse can lead to damages caused to one's health and to the environment. Avoid any contact with skin and eyes. Wear suitable chemical protective gloves (EN 374) during application. In case of contact with eyes, rinse immediately with plenty of water and consult an ophthalmologist if necessary.

Pyrethroid and pyrethrin can cause paresthesia (burning and tingling of the skin with no apparent physical cause). If symptoms persist, seek medical advice.

As long as the wooden surfaces are not dry, unprotected people and animals should be kept away from the treated area. Only touch treated surface when they are dry. Avoid prolonged contact of pets, in particular of cats with treated surfaces. Do not wet plants or bring them into contact with the freshly impregnated wood.

**Use biocides safely! Always read the label and technical data sheet before use.** Only use this product according to the instructions and only if wood preservation measures are prescribed or necessary in individual cases. Misuse can lead to damages caused to one's health and to the environment. If swallowed, seek medical advice immediately and show container or label. Give first aid to casualties and assure fresh air ventilation.

### Cleaning of tools

Clean tools with water immediately after use and before longer interruptions of work. The water from cleaning the equipment must not reach the soil or surface water.

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