

## LIGNEX DEFEND

Water-based treatment against wood-boring beetles

3272-a September 2021

### Description

**Product:** LIGNEX DEFEND is a water-based product for the care of wood attacked by wood-boring beetles that also provides effective prevention against insect attack for risk classes 1 and 2 according to DIN 68800-4, 1990-04.

**Applications:** for all wood parts infested by insects, e.g. roof frameworks, furniture, floors, works of art, etc. Please check the warning notes.

**Certifications:**

- Certificate of Approval No. 21/91 of the "Arbeitsgemeinschaft Holzschutzmittel", Vienna (A);

Provided biological protection: lv, lb, W

lv: Preventative against attack from wood-boring insects

lb: Curative of wood attacked by wood-boring insects

W: Product resistant to climatic attack, suitable for outdoor use but not for wood in direct contact with the ground and/or fresh water.

- Registered with the Italian Ministry of Health with P.M.C. 18556.

Inspection body: WKI - Braunschweig (D); HFA - Vienna (A)

**Protection:** provides care and preventative protection against wood-boring insects

**Active ingredients:** 0.25% (= about 2 g/l) Permethrin

**Colour:** 00-colourless.

**Packaging:** 0,750 l - 2,5 l - 5 l - 25 l – in metal tins.

By order only 200 l – metal tank, 1000 l - container.

### Technical data

**Specific weight:** approx. 0,80 kg/l at +20 °C

**Flash point:** ca. 62° C

**Viscosity:** 45-47s / DIN cup, 2 mm at +20°C

**Drying time:** according to the type of wood, the quantity applied and the atmospheric conditions: after 1-2 days. In low temperatures and/or high humidity, the drying time is prolonged proportionally.

**Odour:** weak odour; odourless once dry.

**Storage:** 5 years in the original closed containers. Store at a cool temperature protected from frost. Close partially used tins carefully;

### How to apply

**General:** mix the product well before using.

**Application systems:** brush, spray, forced injection.

**Surface preparation:** the wood to be treated must be dry and free from dust and grease. Do not apply to wood with a moisture content over 18%. Completely remove any old film-forming paint or varnish because this will hinder the product penetrating the wood, also any wooden parts that are no longer solid and compact and any traces of insect attack. Clean any resinous areas or pockets on the surface with nitro thinner.

**Quantity to apply:** as a curative treatment: 300 -350 ml/m<sup>2</sup>, this corresponds to approx. 3 m<sup>2</sup> per litre applied in 3 to 4 hands  
as a preventative treatment: min. 120 ml/m<sup>2</sup>

**Dilution:** the product is ready to use and must not be diluted.

**Over-painting:** in normal conditions it can be over-painted after about 3 days with any ordinary impregnating and/or finishing products on sale.

**Tool cleaning:** Immediately after use with turpentine substitute or nitro thinner. Dispose of residues as prescribed by law.

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### Special instructions

Protective treatments contain biocidal active ingredients to protect wood from animal and/or vegetable parasites. Only use for approved applications. Incorrect use may cause damage to health and the environment.

When a protective product for wood is required all legal regulations concerning workplace and environmental safety must be complied with and all the information provided on the safety sheet and packaging should be observed.

Only qualified specialist companies must execute control measures on load-bearing or stiffening wooden components as well as larger wooden objects. Preferably not for use on large indoor surfaces (max 2-3 m<sup>2</sup>; surface / room volume ratio > 0.2 m<sup>2</sup>/m<sup>3</sup>). Treated wood in indoor locations that are regularly occupied must be given a dust-proofing top coat \*). This is also the case for mansards and lofts if the rooms are residential.

Do not apply to wood liable to come into direct contact with food, animal feed or drinking water. Not suitable for beehives, greenhouses and saunas. During use ensure the face, hands and eyes are adequately protected and that the working area is properly ventilated. In the event of insufficient ventilation use an appropriate mask. Cover electrical switches and cables properly to avoid short circuits. Avoid working near naked flame or sparks. Product must be used only in sufficiently ventilated areas.

LIGNEX DEFEND is toxic for fish and fish-eating animals. Do not apply to surfaces that are not well consolidated. Do not apply in the immediate vicinity of water courses. Do not allow the product to pollute water courses, drainage and sewage water or let it penetrate the soil. Avoid the product coming into contact with plants.

LIGNEX DEFEND must always be over-painted with an impregnating and/or finishing product unless a dustproof cover is given!

**Disposal:** European waste catalogue according to EAK and AVV: 03 02 02 Dispose of the product and its residues at a special waste disposal facility. Only recycle empty containers.

**Water hazard class:** WGK 2, hazardous to water (according to VwVws regulation of 17 May 1999).

**VbF classification:** A III

**ADR/RID:** UN 3082, liquid, n.a.g. (permethrin), 9, III.

\*) Dust-proofing top coats can also include varnishing with a suitable film-forming product.

*The above instructions are consistent with the most recent information on the development and use of our product. Because we have no control over the onsite use and application of the product, we may only be held liable for the quality of the product as supplied. If in doubt please contact our technical consultancy service.*