

Technical Data Sheet Article No. 2052

Multi GS

Liquid controlling wood preservative on a solvent base

Range of use

Remmers Multi GS is a fast acting agent to control insects in load bearing and non-load-bearing wood in interior rooms not used as living space and in outdoor areas without ground contact. At the same time, it provides preventive protection against insects and soft rot according to DIN 68800, part 4.

Property profile

Remmers Multi GS is a thin-liquid, nearly odourless, light coloured wood preservative in oil form with a long-term effect. It is not leached out by water, has good wetting properties and thus quickly penetrates deeply into the wood.

National Technical Approval

Z.58.2-1637

Test rating

Ib = controlling effect against insects

Directions

Remmers Multi GS can be applied by brush, borehole impregnation and spraying only in closed spaces by professional operations. When applying, observe DIN 68 800-4:1992-11! The National Technical

Characteristic data of the product

Density:	approx. 0.80 g/cm ³ at 20 °C
Odour:	solvent-like
Flash point:	approx. 63 °C
Packaging:	5 l, 10 l and 30 l tin containers and 210 l drums
Colours:	clear

Approval must be present at the site of use!

Execution of wood preservation measures:
Determine the type and extend of infestation. Trim infested wood down to the deepest insect tunnels and remove bore dust and loose wood fibres with a steel brush. Wood building elements that have weakened statically should be reinforced with preventively treated wood or replaced. In case of doubt, call in a structural engineer for advice.

The required application rate can be achieved with 2-3 treatments with a brush or by spraying. When using a borehole impregnation procedure, drill holes, taking structural analysis into consideration, with a diameter of 10 mm / 3/4 through the beam arranged in intervals of 10 cm from opposite sides in the direction of the grain and 5 cm across the grain. Vertically mounted wood should be drilled in a slope of 35-45°. Fill the

boreholes 3-4 times with Multi GS and then close with impregnated wood dowels.

Food and animal feed should be removed from the area during restoration work and subsequent reaction time.

Treated surfaces can be coated over with paints, varnishes and stains after approx. 3 weeks.

Notes

Wood preservatives contain biocidal ingredients to protect wood from pests. They should only be used according to directions and only in the approved application areas. Misuse may cause harm to health and the environment. Do not treat wood that may come in direct contact with food or animal feed with this wood preservative. Do not use in living spaces or areas where people gather. This wood preservative may only be applied by professional operations

and only on wood elements that are part of a structure. It should not be used on large areas in other interior rooms unless large-area use is unavoidable for technical reasons. When working, open light and fire are prohibited. Spraying without respiratory protection may cause harm to your health. When spraying, wear protective glasses and respiratory protection (combination filter for organic vapours and particles). Protect uncovered areas of skin with a solvent resistant skin protection cream. Ask the manufacturer for the Code of Practice for handling this wood preservative! This wood preservative is toxic for fish and the prey fish feed on. Do not allow this wood preservative to reach aquatic environments.

Tools, cleaning

Clean tools immediately after use with a V 101 Thinner and dispose of the remains from cleaning properly.

Application rate

See "Special Provisions", section 3.5.

Active ingredient

1.0 % tebuconazol
0.25 % permethrin

100 g of this agent contains 1.00 g bebuconazol and 0.25 g permethrin.

Storage

Store cool and dry in closed, original containers.

Quality control

The quality of our wood preservatives is controlled according to the guidelines for monitoring wood preservative production facilities issued by the German Institute for Construction Technology. Within the scope of this control, the sale of our preservatives depends on the consent of the buyer or user to permit the responsible materials testing institute or responsible upper building authority or their

agents to take subsequent samples.

Special provisions (excerpt)

1. Subject of approval and application area

1.1 Subject of approval
" Multi GS" is a ready to use controlling agent that quickly acts against wood pests (with the exception of termites). This wood preservative contains biocidal ingredients to control existing infestation by the European house borer or death watch beetles (anobiidae) in wood building elements already mounted in place and also provides simultaneous preventive protection against fungi and wood pests. It may only be used when control measures are necessary. Misuse may cause harm to health and the environment.

1.2 Application areas

1.2.1 Unless specified otherwise in this National Technical Approval, the provisions in DIN 68 800-4: 1992-11-"Wood Preservation; Control measures against fungi and insects that destroy wood" apply for control measures with this wood preservative. This wood preservative has been awarded the following test rating: lb = controlling effect against insects.

1.2.2 This wood preservative may only be used in areas infested with European house borer or death watch beetles (anobiidae) that cannot be controlled by any other reasonable manner (see DIN 68 800-4: 1992-11, particularly section 2). However, this wood preservative may not be used

- for wood building elements that will come in direct contact with food or animal feed,
- for wood building elements in rooms where people gather and adjacent spaces to these rooms, or
- on large areas¹⁾ of wood building elements in other interior

spaces unless large surface application cannot be avoided from a technical standpoint.

This wood preservative may not be used for preventive measures against fungi and insects that destroy wood.

1.2.3

These control measures may only be executed by professional operations experienced in wood preservation (for proof of proficiency, see German regulations on hazardous substances). The approved application methods are stated in section 3.3 and the required application rates in section 3.5 of this National Technical Approval.

3. Provisions for Planning and Execution

3.2

When using this wood preservative, job safety and environment protection regulations in particular must be observed (e.g. regulations on hazardous substances) corresponding to the marks on the container (especially danger symbols, designation of risk, danger warnings, safety advice).

3.3

The following application methods are permitted for this wood preservative:

- brushing, spraying within closed spaces and
- borehole procedure

3.4

This wood preservative is packaged ready-to-use and may not be diluted.

3.5

The required application rate for controlling measures is 300-350 ml/m².

¹⁾ Large area use is when the guideline value of 0.2 m²/m³ (ratio of the treated surface to room volume) is exceeded in cubic spaces.

This application rate also provides subsequent preventive protection against fungi and insects that destroy wood according to DIN 68 800-3: 1990-4.

3.6

This wood preservative may not be used for preventive measures against fungi and insects that destroy wood.

3.7

This wood preservative is toxic for fish and the prey fish feed on. Make sure that this wood preservative does not reach aquatic environments.

Safety data

Danger warnings:

Harmful: May cause lung damage if swallowed.

Safety advice:

Keep out of reach of children.

Keep away from food, beverages and animal feed.

Do not eat, drink or smoke when working.

Avoid contact with skin.

If swallowed, do not induce vomiting. Call a doctor immediately and show label or container.

Product Code: HSM-LB 30

Disposal

Larger quantities of leftover product should be disposed of in the original containers in compliance with valid regulations. Completely empty containers may be recycled.

Waste Code No.: 03 02 02

Organo-chlorinated wood preservative

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

2052 Multi GS_11.16

Ecology

Do not lead into aquatic environments, the sewer system or the ground.

Water hazard class (WGK): 2

Labelling

Regulations on hazardous substances:

Xn Harmful

GGVSE/ADR: n.a.

Use biocidal products safely and responsibly. Always read the label and product information before using.

The Remmers logo consists of a red roof-like shape above the word 'remmers' in a bold, blue, sans-serif font.

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