

Article No. 2100

For the control of dry rot in masonry work according to DIN 6800, part 4.

General Building Inspectorate Approval:

Z-58.2-1451.

Test Predicate:

M

Properties:

Adolit M is a highly effective controlling agent for dry rot with a simultaneous preventive effect against masonry interpenetration. It has been approved after official evaluation of its effectiveness against wood pests and official evaluation of its safety in regard to health and environment when used properly.

Range of use:

Adolit M is used in measures for controlling dry rot in masonry work such as brick, sand-lime brick and natural stone. Also for concrete, render and similar building materials in a coating or borehole procedure.

Further Application Options:

Adolit M can also be used as a fungus and mildew retarding additive for building site mortar when carrying out repairs on old buildings. Its effectiveness has been tested. Details and formulations are found in "Guidelines for the Use of Adolit M as an Ingredient in Formulated Mortars".

Directions:

Brushing, spray application in closed rooms, borehole saturation, borehole pressure impregnation and foam procedure.

A ready-to-use solution is produced by stirring the concentrate into the prescribed amount of water for a 10% solution (9 litres water and 1 kg Adolit M).

When filling boreholes, use a 10 - 50% solution dependent on the type of masonry work (absorbency). Observe DIN 68 800-4 when using! The approval must be present at the site of use!

Treatment of wood:

Remove superficial mycelium, fungus growth and all infested parts of the wood at least 1 m beyond visible infestation in the longitudinal direction of the wood. Impregnate new wood and old wood that is not infested for preventive protection against insects and fungus according to DIN 68 800 part 3.

Infested wood should only be treated with wood preservatives (e.g. Adolit Wood Construction B) if it is an historical preservation object or an irreplaceable art object. These objects that have been treated must be carefully controlled for many years.

- a) For pressureless saturation, boreholes with a diameter of approx. 10 mm and a depth of up to two-thirds of the thickness of the beam are staggered at a distance of approx. 120 cm. Vertically standing beams (supports) are to be drilled at an angle less than 45° as described above. These boreholes should not run through cracks. As a rule, the wood is treated to saturation at least three times. The boreholes are closed afterward with hardwood dowels.
- b) For pressure impregnation using wood injectors, borehole diameter should be 9.0 mm and the distance between boreholes approx. 15 cm. Plastic Injectors (Art. No. 4106) are set in place with the drive-in inserts (Art. No. 4120) and then Adolit M is injected at approx. 4 bar using an Aida Kiesol K-surface sprayer with a high pressure hose and grab head.

Treatment of Masonry Work:

Remove render, chase out infested joints at least 2 cm deep and treat as described in the following. We recommend that the substrate be treated at least 1.5 m beyond visible infestation. For surface treatment, a 10% solution produced as described under "Working instructions " is used. When infestation has penetrated into the wall, borehole saturation is used in addition. Dependent on the position of the building element in the room, boreholes are made horizontally or at an angle of 45° downward in intervals of approx. 35 cm horizontally and approx. 25 cm vertically. Borehole diameter should be 18 mm corresponding to the injectors, borehole depth approx. two-thirds to three-fourths of the masonry thickness. These injectors (Art. No. 4109) are set in place with the drive-in inserts (Art. No. 4104) and injected with a 10-50% solution of Adolit M at low pressure (3-4 bar) using the K-surface sprayer with an instantaneous stop valve, pressure hose and grab head.

In the bottom row of horizontal boreholes where protection against rising damp is necessary, another packer is placed between the boreholes and after three to four weeks the Aida Kiesol Waterproofing System is initiated. Aida Salt Inhibitor is suitable for protection against masonry salts in the evaporation zone.

Foam Procedure:

According to the test by the Federal Office for Material Research and Testing in Berlin, Adolit M is suitable for use in a foam procedure. Treatment of masonry work can be carried out in one working operation with the foam method. After applying the foam in a certain layer thickness, the preservative is slowly absorbed by the substrate as the foam disintegrates.

Technical Information Sheet

Application concentration: 10% solution (1 kg Adolit M to 9 litres of water). The addition of a surface-active agent is not necessary. The saturation agent - foam ratio should be between 1 : 25 and 1 : 50.

Notes:

To make sure that treatment is successful, it is important that the causes of the moisture - which in conjunction with a spore infection caused the infestation - are remedied. Observe DIN 68 800 - "Wood Preservation in Buildings, page 2 - Preventive Construction Measures" Also refer to the WTA Code of Practice 1-2-91 "Dry Rot" and the WTA Code of Practice 4-4-96 "Injecting Masonry Work against Capillary Moisture" issued by the Scientific Work Group for Monument and Building Preservation e.V., Munich.

Static concerns should be taken into consideration, especially in the case of borehole saturation on remaining load-bearing capable wood elements.

This agent for controlling fungus in masonry work contains biocidal ingredients. It should be used only according to directions and only in those areas where protective measures are necessary. Misuse may harm your health and the environment. Do not use on masonry work that will come in direct contact with food or animal feed. This product can only be used by professional, qualified operations. Treated masonry work must be coated with render or faced with other finishing materials on the side that serves as living space or where people spend any time. This fungus inhibiting agent is toxic for fish and fish prey; do not allow the product to enter bodies of water. Ask the producer for the Code of Practice on handling this fungus inhibiting agent.

Tools and cleaning:

Injection packers, plastic injectors, injection pumps with attachments or the Aida Kiesol K-surface sprayer with instantaneous stop valve, pressure hose and grab head, foam producing equipment. Clean tools and equipment immediately after use with water and dispose of the remains from cleaning properly.

Application rate:

500 ml/m² of a 10% solution corresponding to 50 g concentrate per m². When using a borehole saturation procedure for injection in a wall, use 3 kg concentrate per m³ masonry work.

Effective ingredients:

12% alkali borate
20% benzalkonium chloride

Shelf-life:

At least one year in closed, original containers stored cool and dry.

Quality Control:

The quality of our wood preservatives is controlled in compliance with the guidelines for the control of wood preservative production facilities issued by the Deutsches Institut für Bautechnik [German Institute for Building Technology]. Within the framework of this control, we must make the sale of our products dependent upon the purchaser

or user consenting to subsequent sampling by the responsible materials testing institute or the highest building inspectorate or their representatives.

Special Provisions (abridged):

1. Subject of approval and application area

1.1 Subject of approval

The fungus inhibiting agent "Aidol M" is a colourless protection concentrate for inhibiting infiltration of dry rot in the masonry within the framework of controlling measures. This wood preservative contains biocidal ingredients. It should only be used when control measures against dry rot are necessary. Misuse may harm your health and the environment.

1.2 Application area

1.2.1 Unless stipulated otherwise in this General Building Inspectorate Approval, DIN 68 800-4: 1992-11-"Wood Preservation; Control Measures against Wood-Damaging Fungus and Insects" applies for control measures with this fungus inhibiting agent. This fungus inhibiting agent has been issued the following rating:

M = to prevent infiltration of dry rot in the masonry

1.2.2 This fungus inhibiting agent may only be used in areas where dry rot infestation in the masonry is present and which cannot be practically controlled in another manner (see DIN 68 800-4, especially section 2). This fungus inhibiting agent may not be used in either case

- for masonry which could come in direct contact with food or animal feed.

Treated masonry work must be coated with render or faced with other finishing materials on the side that serves as living space or where people spend any time.

1.2.3 Control measures may only be carried out by professionals experienced in wood preservation work (for proof of expertise, see regulations on hazardous working materials). The permitted application procedures are stipulated in section 3.3 and the required application rates in section 3.5 of this General Building Inspectorate Approval.

3. Provisions for Planning and Execution

3.2 When using this fungus inhibiting agent, job safety and environment protection regulations especially (e.g. regulations on hazardous working materials) should be strictly observed corresponding to the marks on the container (especially danger symbols, designation of risk, danger warnings, safety advice).

3.3 The following application procedures are permitted for this fungus inhibiting agent:

- brushing and spraying within closed rooms, borehole saturation, foam procedure.

3.4 This fungus inhibiting agent is packaged as a concentrate and must be diluted before using.

- Concentration for use by brush, spray, borehole saturation, borehole pressure impregnation or the foam procedure is at least a 10 % aqueous solution.

3.5 The required application rate for control measures when applied by brush, spray, borehole saturation, borehole pressure impregnation or the foam procedure is 500 ml/m² of

Technical Information Sheet

the 10% solution (corresponding to 50 g concentrate/m² masonry).

3.6 Treated masonry work must be coated with render or faced with other finishing materials on the side that serves as living space or where people spend any time.

3.7 This wood preservative is toxic for fish and the prey fish feed on. Make sure that this wood preservative cannot reach bodies of water.

Specifications:

Density: approx. 1.07 g/cm³
Viscosity: approx. 14 sec. DIN 4 flow cup
pH value: 7 - 8
Packaging: 2,5 kg, 5 kg, 10 kg and 30 kg plastic Canisters

Safety data:

Danger warning:

Causes burns

Safety advice:

Keep out of reach of children.

Keep away from food, drink and animal feed.

Do not eat, drink or smoke when using.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of contact with skin, wash off immediately with plenty of soap and water.

In case of accident or if you feel unwell, call a doctor and show label if possible.

Product Code: HSM-LB 15

Disposal:

Dispose of product remains according to valid, official regulations.

Completely empty cans may be recycled.

Ecology:

Do not lead into bodies of water, the sewer system or the ground.

WKG = 3 (self-assessment)

Declaration:

Flammability class: -/-

Regulations concerning

hazardous working materials: C corrosive

GGVS/ADR: Class 8, Nr. 66c

UN 1760

Corrosive, liquid material, n.a.g.
(alkyldimethyl benzyl ammonium
chloride)

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.

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