Wood Protection
Australia

Lonza

Vacsol® Azure

Solvent based protection for outdoor wood products

Product Information

This solvent based, non-metallic preservative is ideal H3 protection of dry finished wood products ensuring their dimensional stability is retained.

Vacsol® Azure contains a combination of permethrin and azole biocides that ensure the treated wood products are fit for all H3 end-use applications.

The formulation requires pressure/vacuum application and is supplied either clear or coloured green.

To commence treatment with Vacsol® Azure or you seek additional information, contact the Lonza Wood Protection team today.

Phone: 1300 650 636

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Technical Information

DESCRIPTION

Active :	3.2 g/L Permethrin (25:75)
Constituent	(CAS 52645-53-1)
	4.5 g/L Tebuconazole (CAS 107534-96-3)
	4.5 g/L Propiconazole (CAS 60207-90-1)
	3.56 g/L Vacsol WR
	729 g/L Solvent Liquid Hydrocarbons
Appearance:	Clear amber coloured liquid.
	Can be coloured green.
Odour:	Solvent odour
Solubility:	insoluble in water
Density:	0.83 g/ml @ 20°C

In White Spirits	
Flash Point:	41-42°C (Abel Closed Cup)
Boiling point:	Typical 162 – 192°C
Explosion / : Flammability	0.7 – 6.5% (V)

In High flash Kerosene	
Flash Point:	>66°C
Boiling point:	Typical 195 –260°C

BASIC INFORMATION

Vacsol® Azure is a solvent based, wood preservative containing fungicides (propiconazole & tebuconazole), an insecticide / termiticide (permethrin), and a water repellent system. It is recommended for the treatment of timber against attack by borers, termites and fungi in above ground situations (H3).

Vacsol® Azure provides protection against Insects including auger beetles (Bostrychidae), powder post Beetles (Lytidae), pinhole borers (Platypodidae) & furniture beetles (Anobiidae). Termites including drywood (Cryptotermes) and subterranean (Coptotermes & Schedorhinotermes) and giant termites (Mastotermes). Fungal decay (including brown, white and soft rots) and fungi.

Vacsol® Azure is an APVMA registered chemical (No. 56786) and should be used in accordance with the label instructions.

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DIRECTIONS FOR USE

The preservative is supplied in a choice of solvents, either white spirits (flammable) or high flash kerosene (combustible). Specific requirements are necessary for storage and plant capabilities and registration for use of flammable or combustible goods.Vacsol® Azure can be pigmented with a green colour system, continual agitation of storage tanks is essential to prevent settling. Vacsol® Azure solutions should not be mixed with any other chemical except under guidance from Lonza Wood Protection.

TREATMENT PROCESS

Timber for treatment should be free from decay and insect attack. Timber affected by sapstain should not be treated because excessive absorption of treating solution occurs. Timber must be below 20% moisture content and should be in final shape and form with all machining and rip sawing completed.Timber can be treated effectively either block stacked or strip stacked. Vacsol® Azure is intended to be applied using a pressure treating plant suitable for solvent preservatives and complying with AS2843. Treating schedules may vary significantly depending on equipment and wood characteristics thus requiring confirmatory sample testing to be conducted on a regular basis.

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Questions and Answers

How does Vacsol® Azure work?

The actual preservative constituents are a synthetic pyrethroid insecticide, permethrin, and organic azole fungicides, Tebuconazole and Propiconazole.
The solvent based treatment does not affect the moisture content, strength, dimensions or glue bonds and hence can be done on the timber products in the final shape and form. Pressure treatment process drives the preservative deep into the cellular structure of the timber to provide protection against fungal decay, termites and other insects.

For what application is Vacsol® Azure suitable?

Vacsol® Azure treatment is suitable for use in H3 applications, which can be described as “exterior or subject to moisture and above ground”. It is not suitable for H4 ground contact applications. Vacsol® Azure can be coloured green for easy identification or when clear is also suitable for H1 protection against borers and is very often used for hardwood flooring.

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Why should I use Vacsol® Azure over other types of timber preservatives?

For certain wood products such as finger jointed, laminated or engineered products as well as mouldings, flooring and structural timber, treatment with Vacsol® Azure preservative may the most cost effective and efficient means of producing a H3 or H1 product. Vacsol® Azure is at the forefront of the modern revolution in engineered and re-manufactured wood products.

What about the smell, is it permanent or will it disappear?

The odour of the treatment fades substantially as the solvent evaporates. The evaporation period depends on a number of factors but should be only a matter of a few days after treatment or once the timber is separated from a pack and left in an open ventilated area. By the time the treated timber is installed in the end use situation there should be virtually no perceptible odour.

What precautions should I take when handling Vacsol® Azure?

Lonza Wood Protection supply Safety Data Sheets to timber treatment companies for the products it supplies to assist them in determining what health and safety precautions are necessary.

These cover the products as supplied and the precautions to be taken during the use of the product in the timber treatment process. They are not relevant to the final treated timber product. and should not be forwarded to end consumers of treated timber products.

Lonza Wood Protection can assist with the development of product safety data sheets for diluted working solutions and the final treated timber product where requested.

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