Vacsol AQUA TREATED TIMBER

Information on the Low Pressure Treatment Process for Vacsol Aqua Wood Preservative

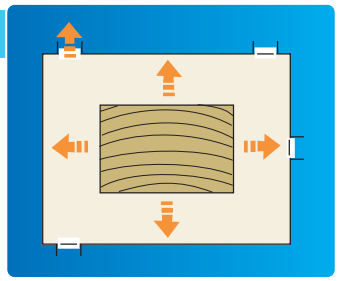
The following information is intended as a general guide on the low pressure, industrial treatment process used for the application of VACSOL Aqua wood preservative to produce VACSOL Aqua pressure treated timber.

The Treatment Process

VACSOL Aqua pressure treated timber is timber which has been impregnated with VACSOL Aqua wood preservative under rigidly controlled conditions in a double vacuum/low pressure Vac-Vac plant.

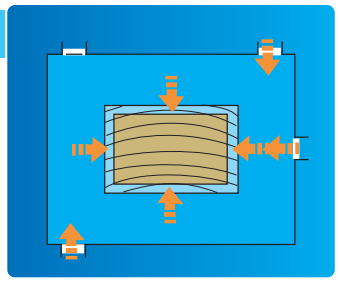
VACSOL Aqua treated timber is usually specified for above dpc level construction timbers - general building timbers, timber frame components, truss material and softwood joinery. - Use Classes 1, 2 and 3.1 (BS EN 335).

1



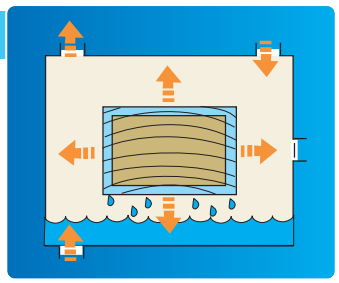
Vacuum created and timber cells evacuated of air.
Vacuum held

2



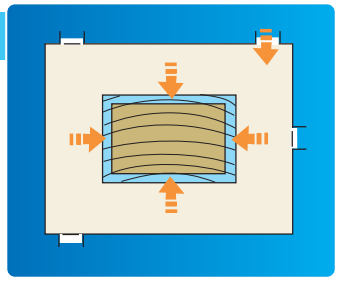
Vessel flooded under vacuum, release of which then forces preservative into the wood cells under atmospheric pressure. Alternatively, low pressure may be applied for more resistant species or to achieve a higher specification.

3



Second vacuum applied to evacuate timber cells of preservative.
Surface wet

4



Venting to atmospheric pressure drives surface preservative back into the timber.
Surface drip dry.

VAC-VAC PROCESS

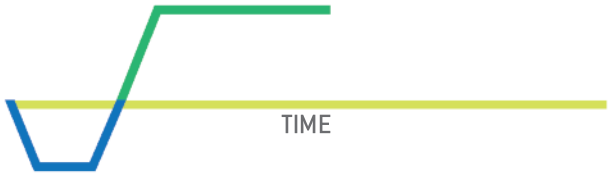
STEP 1

FILLED UNDER VACUUM

Filled under vacuum.

Cycle Code	Initial Vacuum	Time
VA1	350 mbar	3 mins
VA3	350 mbar	5 mins
VA4	350 mbar	0 mins

STEP 2

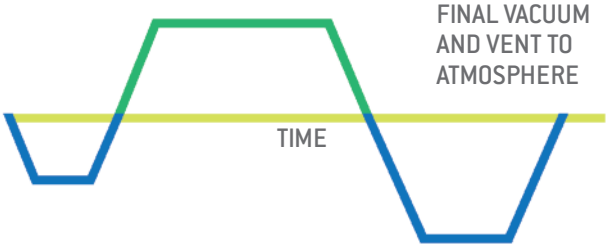


SOAK AT ATMOSPHERIC PRESSURE

Pressure (optional eg. when treated to a higher Use Class).

Cycle Code	Initial Vacuum	Time	Pressure	Time
VA1	350 mbar	3 mins	Atmospheric	3 mins
VA3	350 mbar	5 mins	1.0 bar	5 mins
VA4	350 mbar	0 mins	2.0 bar	15 mins

STEP 3



Final vacuum and vent to atmosphere.

Cycle Code	Initial Vacuum	Time	Pressure	Time	Final Vacuum
VA1	350 mbar	3 mins	0	3 mins	800 mbar
VA3	350 mbar	5 mins	1.0 bar	5 mins	800 mbar
VA4	350 mbar	0 mins	2.0 bar	15 mins	800 mbar

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Lonza Wood Protection is a business of Arch Timber Protection, a Lonza company.