



TREATED TIMBER



TREATED I-STUDS

Unique timber protection



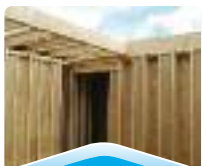
Arch
Timber
Protection



VACSOL Aqua treated timber

Main Features

- VACSOL Aqua treated timber is protected with VACSOL Aqua waterbased preservative, containing biodegradable fungicides.
- Proven performance against fungal decay and insect attack.
- The appearance of the timber is virtually unchanged.
- For use in internal and external building applications above dpc level where there is a low to medium risk of fungal decay or insect attack – e.g. timber frame components, external joinery, construction, roofing and flooring timbers. Exterior woodwork (Use Class 3.1) should be subsequently protected with a maintained and appropriate surface coating.



SPECIALLY DEVELOPED FOR THE TREATMENT OF I-STUDS IN TIMBER FRAME CONSTRUCTION.

VACSOL Aqualine has been specifically developed to allow the use of I-Studs/I-Beams in external walls where preservative protection is required to meet the latest standards. The in-line application system provides a fast, efficient and effective method of protecting I-Studs/I-Beams.



TO SPECIFY, the following wording is recommended . . .

- The timber as detailed . . . (insert quantity, dimensions, species and its end use/description of component) . . . is to be vacuum/pressure treated with VACSOL Aqua preservative to comply with the Treatment Code . . . (insert "VA" Code from the chart opposite).
- For the specification of VACSOL Aqualine contact Arch Timber Protection directly.
- Following treatment, any areas of treated timber revealed by cross cuts, holes, notches, shall be brushed with VACSELE end-grain preservative.
- Timber which is rip sawn, equalised, planed or heavily sanded must be returned to the treatment plant for re-treatment.
- Specification clauses are available to download from the Arch website - www.archtp.com and also from the NBS Plus Product Selector - www.nbsplus.co.uk.



Proven performance against fungal decay and insect attack.

The best choice for timber frame components, external joinery, construction, roofing and flooring timbers.

Specification chart for VACSOL Aqua treated timber

COMPONENT GROUP	USE CLASS	COMPONENT DETAILS <small>This list is not exhaustive. If your timber component is not listed, please contact Arch for further advice.</small>	TREATMENT CODE	DESIRED SERVICE LIFE
Internal building timbers	1	Roof timbers (dry): pitched roofs, rafters, purlins, joists, sarking, wall plates.	VA1	60 years
	1 or 2	Roof timbers (Hylotrupes areas): Where there is a risk of House Longhorn Beetle (<i>Hylotrupes bajulus</i> L) according to the Building Regulations [5] (applicable to England and Wales), the Building Standards Scotland [6] and the Building Regulations (Northern Ireland) [7]: pitched roofs, rafters, purlins, joists, sarking, wall plates.	VA1	60 years
	2	Roof timbers (risk of wetting): Where components are exposed to risk of wetting due to, for example, condensation: rafters, purlins, joists, sarking, wall plates, flat roofs (cold), enclosed beams, valley gutter timbers, flat roofs (warm inverted), exposed beams.	VA1	60 years
	2	Tiling battens.	VA1	60 years
	2	Sole plates.	VA3	60 years
	2	Timber frame material: external walls/ground floor joists.	VA1	60 years
	2	Specific treatment for I-Studs and I-Beams.	VAL	60 years
External building timbers/ softwood external joinery	3.1†	Softwood window frames & casings, soffits, barge and fascia boards, cladding, doors.	VA3	30 years
Hardwood exterior joinery§	3.1†	Hardwood window frames and casings, exterior doors and frames.	VA5	30 years
Termite proofed timber	1 or 2	Internal timbers above dpc and termite shield and easily inspected.	VA2	60 years
	3.1†	External timbers above dpc and termite shield and easily inspected.	VA2	30 years
Plywood*	1 or 2	BS EN 636 Humid Grade (BS EN 314 Part 2 bonding class 2).	VA3	60 years
	3.1†	BS EN 636 Exterior Grade (BS EN 314 Part 2 bonding class 3) or WBP (weather and boil proof).	VA3	30 years



Useful documents

The VACSOL Aqua Code of Practice provides full details on the properties of VACSOL Aqua treated timber.

Any treated timber surface exposed by cross-cutting, drilling, notching or boring must be brushed with VACSELE end-grain preservative to maintain the integrity of the treatment. The VACSELE Technical Data Sheet provides full information on this product.



VACSOL Aqua treated timber must only be used above damp proof course level and not in ground contact.

SPECIFICATIONS AND STANDARDS

VACSOL Aqua preservative is tested in accordance with the requirements of BS EN 599, including extended field trial testing. VACSOL Aqua treated timber is treated in accordance with the penetration and retention requirements given in BS 8417. Care should be taken when specifying timber species to ensure that they can be treated in accordance with these penetration and retention requirements. Use Classes are defined in BS EN 335.

VACSOL Aqua treated timber meets NBS (Z12), NHBC, Zurich and WPA National Specifications.

Arch advises specifiers/users to ask for a confirmation of treatment from the supplier as part of the specification/purchase process.

DESIRED SERVICE LIFE

The desired service life does not provide a guarantee of performance but an indication of the expectation against which the recommendations for timber treatment are drawn up, assuming good design and normal conditions of use.

§ Contact Arch Timber Protection to confirm suitability of particular hardwoods for treatment, due to potential colour variation.

† Exterior woodwork (Use Class 3.1) should be subsequently protected with a maintained and appropriate surface coating.

* Always check suitability for treatment with the plywood supplier.





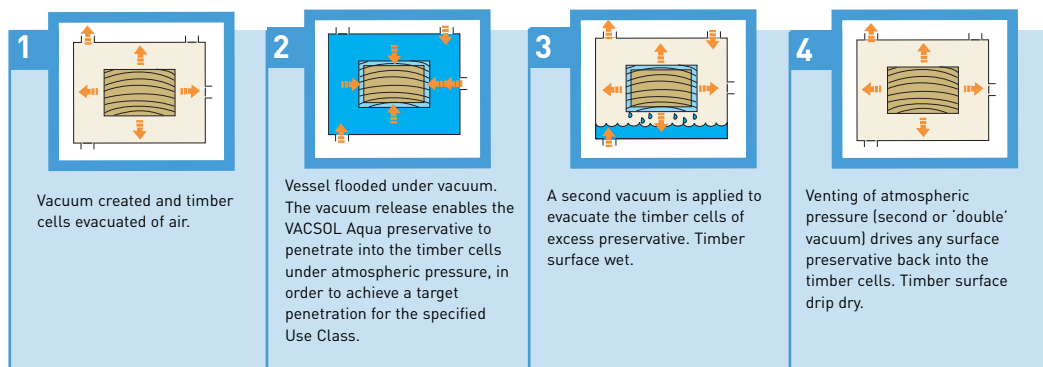
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TREATED I-STUDS

Low pressure preservative treatment process

VACSOL Aqua treated timber is impregnated with timber preservative under controlled conditions by double vacuum / low pressure technology in an enclosed system.



VACSOL Aqualine treatment for I-Studs/I-Beams involves an in-line, vacuumatic coating system.

Availability of treated timber/specific treatments

VACSOL Aqua and VACSOL Aqualine treated timber requirements are usually processed to order. Specific treatments are available through a wide network of timber companies and treaters throughout the UK and Europe. For details on your nearest supplier, please contact Arch at the address below.

Members of



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Timber
Protection

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Telephone (01977) 714000 Fax (01977) 714001

e-mail advice@archchemicals.com

www.archtp.com



BS EN ISO 14001
Reg No EMS 539413



BS EN ISO 9001
Reg No FM 1636

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