

Specifier Guide

A Quick Guide To Specifying Preserved Timber

By providing your specialist treater with the appropriate information this will ensure your timber is preserved to the proper specification. The expected service life of timber varies according to the species and use classes. Please check with your specialist treater. Treated products can be produced with the appropriate preservative system to meet a variety of specifications and standards such as the British and European Standards, the Highways Agency and NHBC.

The timber as detailed ... (insert timber specification including dimension, species, condition and end use or description of component) ... is to be vacuum/pressure treated with a Protim Clearchoice preservative system, to the correct use class for the end use.

The timber as detailed ... (insert timber specification including dimension, species, condition and end use or description of component) ... is to be vacuum/pressure treated with an Osmose Naturewood preservative system, to the correct use class for the end use.

Suggested Standard Specification Clause

Architects can refer to their NBS standard clauses. To specify Osmose Naturewood and Protim Clearchoice the following wording is recommended. You may specify the timber type and the preservative yourself. Some independent treaters offer water repellent & colour dye additives. Treat any cut ends with appropriate cut end preservative.

More comprehensive information is available from our Technical Services Department about use classes, timber species and service life. The above is intended as a quick guide only. Please check for specialist applications. Always check for your particular end use if in any doubt.

Osmose Naturewood and Protim Clearchoice Treated Wood Products Provide Long-Term Confidence

Formulations are applied in accordance with the recent European Standards regime, rather than by using the more traditional British Standards criteria. The following Desired Service Life categories from the BS8417: 2003 therefore apply to Osmose Naturewood and Protim Clearchoice -

- Components in Use Class 1 & 2 60 years
- Components in Use Class 3 15 & 30* years
- Components in Use Class 4 15 & 30* years

*The figures above are dependent on the particular species being treated *30 years desired service life is a special order process for Osmose Naturewood.*

Desired Service Life

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

Protim Clearchoice is an organic preservation system for wood, pressure treated for use in construction projects that require protection to use classes UC1, UC2 and UC3. When using Protim Clearchoice in external applications it will need to be coated with a suitable external coating which will be maintained in service.

Osmose Naturewood is a preservation system for wood that has been pressure treated with an Osmose preservative system which is based on copper and an organic co-biocide (Alkaline Copper Quaternary) that require protection to use classes UC1, UC2, UC3 and UC4.

USE CLASS TABLE

Use Class (UC)	Use
1	Above ground, covered. Permanently dry, insect risk.
2	Above ground, covered. Occasional risk of wetting.
3a	Above ground, coated. Exposed to frequent wetting.
3b	Above ground, uncoated. Exposed to frequent wetting.
4	In contact with ground or fresh water. Permanently exposed to wetting.



The Preservative Process



The timber is transferred into the treatment vessel.



A vacuum pulls the air out of the vessel.



Osmose preservative fills the vessel.



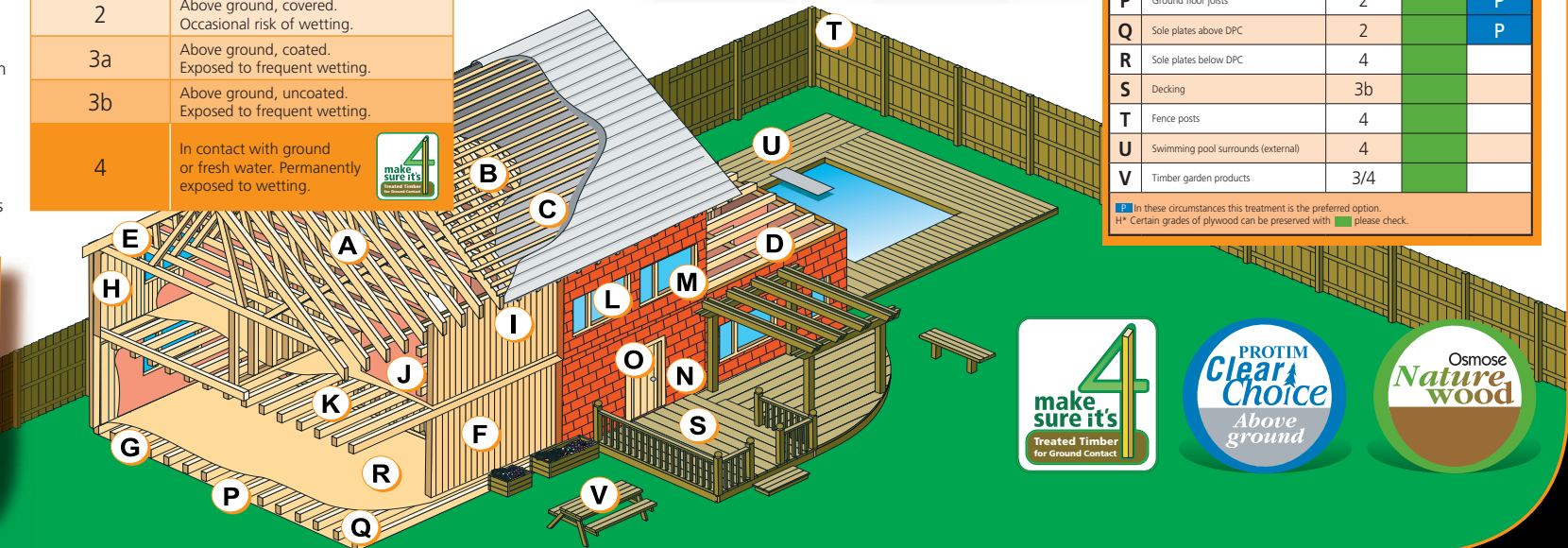
The vessel is pressurised forcing the preservative into the timber.



The preservative is removed and final vacuum is applied.



The timber has now been preserved with Osmose preservative.



COMPONENT	USE CLASS	RECOMMENDED TREATMENT
A Domestic pitched roofs all structural timber	1	P
B Condensation - risk pitched roofs - all structural timber	2	P
C Tiling / slating battens	2	
D Flat roof timbers	2	P
E Barge boards, fascia boards	3a	
F External frame - outer leaf	3	P
G External frame - inner leaf - except sole plates	2	P
H* Frame sheathing - plywoods	2	
I External cladding	3	P
J Battens for fixing external cladding	2	
K First floor joists	1	P
L External joinery	3a	
M Surrounds for non-wood windows	3a	
N External doors	3a	
O External door frames	3a	
P Ground floor joists	2	P
Q Sole plates above DPC	2	P
R Sole plates below DPC	4	
S Decking	3b	
T Fence posts	4	
U Swimming pool surrounds (external)	4	
V Timber garden products	3/4	

P In these circumstances this treatment is the preferred option.
H* Certain grades of plywood can be preserved with **green** please check.

