

# Specifiers Guide

## High Pressure Treated Timber



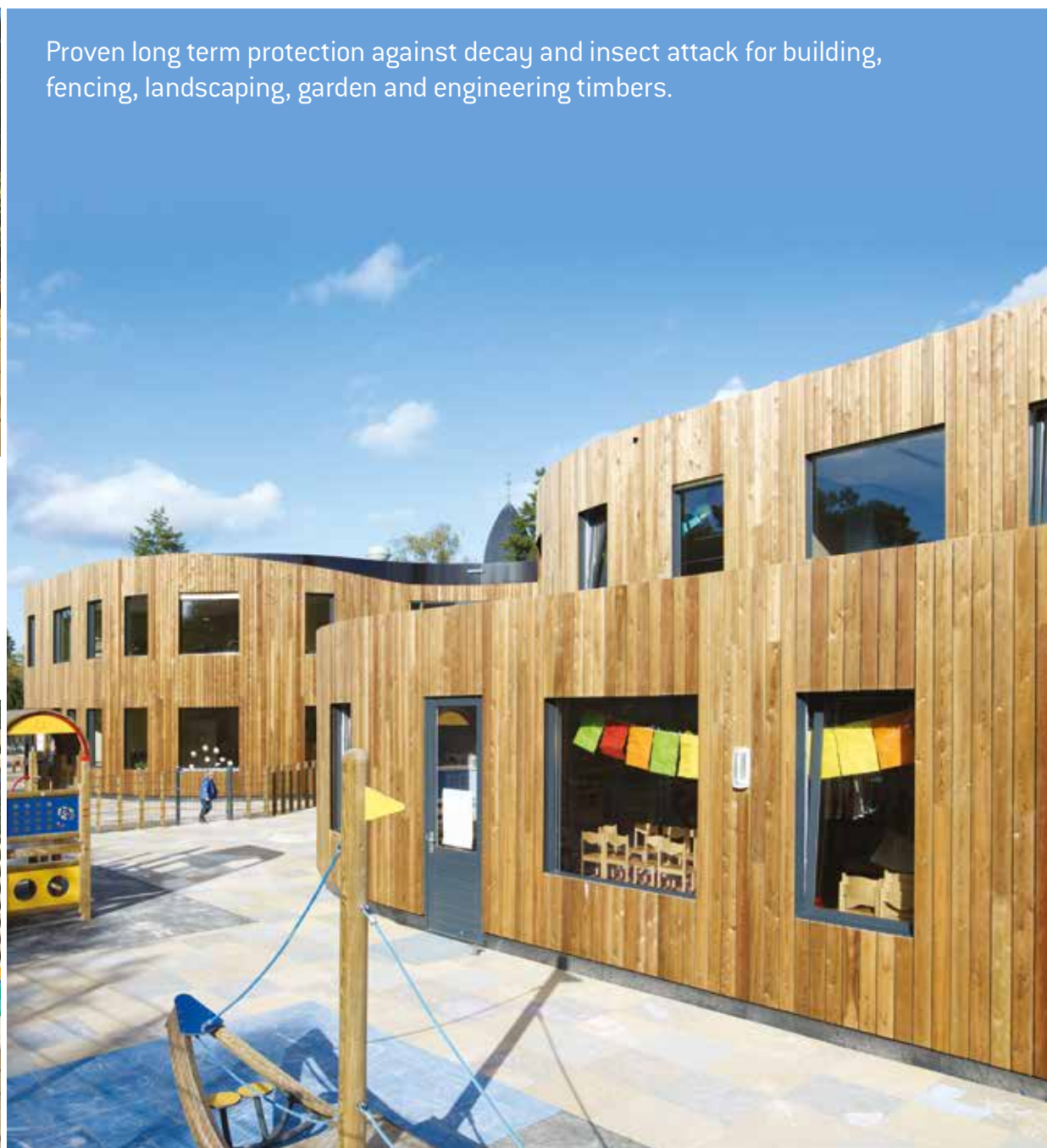
PRESSURE TREATED TIMBER



PRESSURE TREATED TIMBER  
WITH BUILT-IN COLOUR



PRESSURE TREATED TIMBER  
WITH BUILT-IN COLOUR AND  
WATER REPELLENCY



Proven long term protection against decay and insect attack for building, fencing, landscaping, garden and engineering timbers.

Tanalith™Tanatone™Tanalith™  
CREOL

## TANALITH PRESSURE TREATED TIMBER

- Protected by a unique, highly developed preservative formulation, TANALITH pressure treated timber gives a reliable and consistent protection against fungal decay and insect attack.
- Built into the latest TANALITH preservatives are patented and award winning BARamine technologies which deliver even more consistent and effective preservative penetration into the timbers, and an even more assured, long term protection for all treated timber end uses.
- Appealing natural pale green colour with excellent weathering properties.
- Usually specified for indoor and outdoor applications where there is a medium to high risk of fungal decay and insect attack, eg. general construction, landscaping and leisure timbers, fencing and other outdoor timber projects.
- Available with a built-in colour additive (TANATONE) or a combination of water repellent and colour additive (TANALITH Creol).

TANALITH Creol treatment is applied through a two-part process; a high pressure TANALITH treatment followed by a dipping or low pressure treatment with Creol colourant.

Tanatone™

FOR BROWN COLOURED TIMBER SPECIFY 'WITH TANATONE COLOUR ADDITIVE'  
Appealing built-in brown colour. Ideal for rough sawn fencing and landscaping applications.

Tanalith™  
CREOL

FOR DARK BROWN COLOURED AND WATER REPELLENT TIMBER SPECIFY 'WITH TANALITH CREOL ADDITIVE'  
Ideal for cladding, garden and leisure wood structures, sleepers and fencing.



## TO SPECIFY, THE FOLLOWING WORDING IS RECOMMENDED . . . (UK ONLY)

- The timber as detailed . . . [insert quantity, dimensions, species, whether sawn or round and its end use/description of component] . . . is to be vacuum/pressure treated with TANALITH preservative (state with TANATONE colour additive or TANALITH Creol additive, if desired) to comply with the Treatment Code . . . [insert "TE" Code from the chart opposite].
- Following treatment, any areas of treated timber revealed by cross cuts, holes, notches, shall be brushed with a suitable end-grain preservative.
- Timber which is rip sawn, equalised, planed or heavily sanded must be returned to the treatment plant for re-treatment.
- On no account are fence posts to be pointed after treatment. The shortening of posts and columns should be avoided. In any event, cross cutting must be restricted to the top of the post or column.

## SPECIFICATION WALLCHART FOR TANALITH PRESSURE TREATED TIMBER

COMPONENT GROUP	USE CLASS	COMPONENT DETAILS <small>This list is not exhaustive. If your timber component is not listed, please contact Lonza for further advice.</small>	UK TREATMENT CODE	DESIRED SERVICE LIFE
Internal building timbers	1	Roof timbers (dry): pitched roofs, rafters, purlins, joists, sarking, wall plates.	TE/BI	60 years
	1 or 2	Roof timbers (Hylotrupes areas): Where there is a risk of House Longhorn Beetle (Hylotrupes bajulus 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.	TE/BI	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.	TE/BI	60 years
	2	Tiling battens	TE/TB	60 years
	2	External walls/ground floor joists. Timber frame material, external walls.	TE/BI	60 years
	2	Sole plates.	TE/BI	60 years
External building timbers above dpc level	3 uncoated	Cladding, uncoated.	TE/BX	15 years
	3 coated	Cladding, soffits, fascias, barge boards subsequently protected with a maintained and appropriate surface coating.	TE/BX	30 years
	3 uncoated	Cedar shingles.	TE/CS	30 years
Plywood	2•	BS EN 636 Exterior Grade (EN 314 Part 2 bonding class 3) or WBP (weather and boil proof). Humid Grade (bonding class 2) may also be suitable.	TE/EPa	60 years
	3 uncoated•	BS EN 636 Exterior Grade (EN 314 Part 2 bonding class 3) or WBP (weather and boil proof).	TE/EPb	15 years
Fencing and landscaping timbers above ground contact	3 uncoated	Rails, struts, gates, boards, slats, droppers, post caps, dowels, garden decking boards, farm buildings, pergolas, gazebos and playground equipment components above ground contact.	TE/GFa*	15 years (for 30 years - TE/MF)
Fencing, landscaping and farm buildings in ground contact	4	Posts (square sawn or cleft, sawn and dressed, machine turned, natural rounds, half rounds), bearers, gravel boards, sleepers in ground contact. Farm buildings: timbers embedded in ground or prone to frequent wetting.	TE/GFb* (softwood only)	15 years (for 30 years - TE/HD)
Fresh water contact	4	Lock gates, revetments.	TE/FW	15 years
Highway fencing above ground	3 uncoated	To meet Highways Agency Specification Clause 311 or where a longer service life is required than general Use Class 3 timbers.	TE/MF	30 years
Heavy duty industrial	4	Highway fencing in ground contact: to meet Highways Agency Specification Clause 311.	TE/HD (softwood only)	30 years
	4	Railway sleepers.		
	4	Transmission poles.  Or where a longer service life is required than general Use Class 4 timbers.		
Packaging timbers in cargoes to Australia	Not applicable	To comply with Australian Quarantine Regulations as 1604-1 H2.	TE/AQ Permeable softwood only#	NOT APPLICABLE

### USEFUL DOCUMENTS

The TANALITH Treated Timber User Guide provides full details on the properties and handling of TANALITH and TANATONE pressure treated timber.

### CUTTING OF TANALITH, TANATONE AND TANALITH CREOL TREATED TIMBERS

Any treated timber surface exposed by cross-cutting, drilling, notching or boring must be brushed with a suitable end-grain preservative to maintain the integrity of the treatment. A choice of ENSELE product is available for use with either green or brown pressure treated timber.



### SPECIFICATIONS AND STANDARDS

TANALITH preservative is tested in accordance with the requirements of EN 599, including extended field trial testing. TANALITH pressure 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 these can be treated in accordance with these penetration and retention requirements. Use Classes are defined in EN 335.

TANALITH pressure treated timber meets NBS (Z12), NHBC and WPA national specifications.

Lonza 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.

All specifications refer to treatment of both softwoods and hardwoods, unless otherwise indicated.

\* Specify 'WITH TANATONE' for brown coloured timber, if desired.

# Includes most common pines eg. Scots Pine (Redwood) and Corsican Pine but not including Maritime Pine.

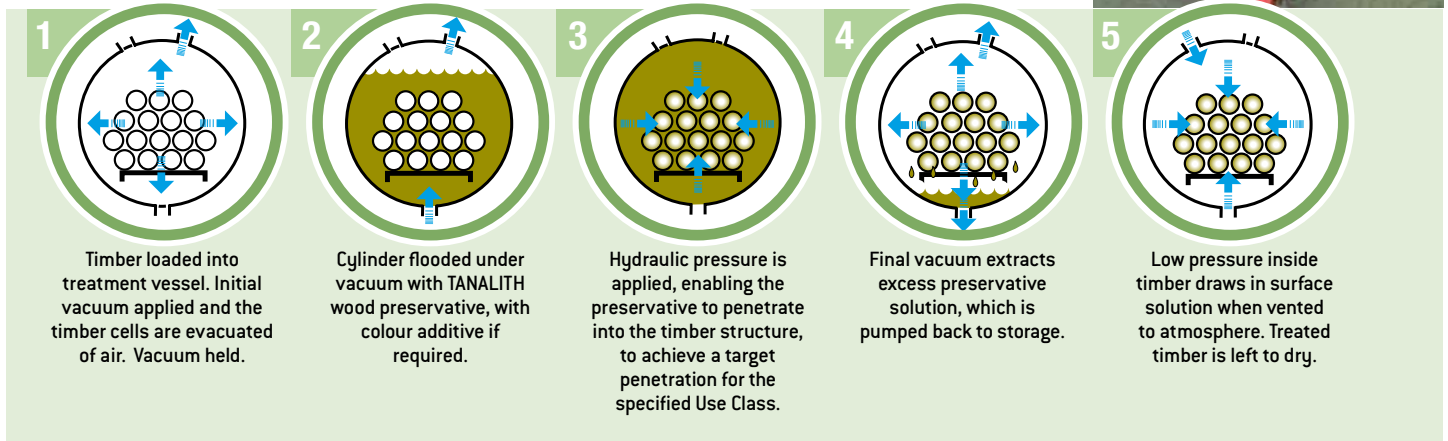
• Always check suitability for treatment with the plywood supplier.



## HIGH PRESSURE PRESERVATIVE TREATMENT PROCESS

TANALITH pressure treated timber is impregnated with TANALITH preservative under controlled conditions by vacuum high pressure technology in an enclosed system.

Please note: TANALITH CREOL treatment is applied through a two-part process; a high pressure TANALITH treatment followed by a dipping or low pressure treatment with Creol.



## AVAILABILITY OF TREATED TIMBER/SPECIFIC TREATMENTS

Ready treated stocks or specific treatments of TANALITH, TANATONE and TANALITH Creol pressure treated timber are available through a network of timber companies and treaters throughout Europe.

For details of your nearest supplier, please contact Lonza at the address below - for UK and Ireland suppliers visit [www.tanalisedtimber.co.uk](http://www.tanalisedtimber.co.uk)

### TANALITH family



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Disclaimer: Whilst every attempt has been made to ensure the accuracy and reliability of the information contained in this document, Lonza gives no undertaking to that effect and no responsibility can be accepted for reliance on this information.

Lonza updates its literature as and when necessary.

Please ensure you have an up to date copy.

Use wood preservatives safely, always read the label and product information before use.

# Lonza

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