



# Tanalised® Timber SMART

Tanalised®  
TIMBER

A guide to help you  
specify treated timber





# DON'T judge a post purely on its COLOUR

A popular saying is not to judge a book by its cover. We think the same applies to the term 'green treated timber' when used in the context of pressure treated wood.

Also commonly referred to as 'Tanalised Timber', not all green treated timber is treated to the same standard.

A number of factors play a part in this – timber species, end-use application, how the timber is treated and the wood preservative used.

With over 80 years' experience, Arxada has led the market in the delivery of tried, tested and trusted wood protection technologies to help you **specify treated timber that won't let you down.**

To help you choose the right treated timber for your fencing project, we have produced this **Tanalised® Timber Smart** guidance.

## STEP 1

# Know your USE CLASS

The eventual end-use of preservative treated timber is classified into one of five categories. These 'Use Classes', defined in BS EN 335-1, are based on the potential threat to the timber from decay or insect attack in its eventual application.

### USE CLASS SUMMARY

- 1 INTERNAL, dry e.g. upper floor joists
- 2 INTERNAL, risk of wetting e.g. tiling battens
- 3.1 OUTDOORS, coated above ground e.g. window frames
- 3.2 OUTDOORS, uncoated above ground e.g. fence rails

### **4 DIRECT SOIL OR FRESH WATER\* CONTACT e.g. fence posts**

**For fence posts it's crucial that you only specify timber that is treated to Use Class 4, which is the class for in ground contact.**

\* Contact the Arxada technical team directly for specific water contact details by product.





# A guide to USE CLASS applications

For a guide to the main Use Classes and typical applications, please refer to the Wood Protection Association (WPA) illustration below:



**Make  
sure** **4**  
**it's** Use Class 4  
**GROUND CONTACT**

○ Use Class 2    ○ Use Class 3.2    ○ Use Class 4

For more information  
on Use Classes visit  
[www.thewpa.org.uk](http://www.thewpa.org.uk)

## STEP 2

# Ask about the **WOOD** preservative **USED**

All modern wood preservatives have different performance credentials and different compositions.

To help you buy treated timber with confidence, ask your supplier the following questions:

- **Has the wood preservative got a history of proven performance?**
- **Does the wood preservative comply with all necessary regulatory controls relating to the environment and to human and animal health?**

Introduced in 1992, Tanalith® E high pressure wood preservative has **30 years proven performance** of providing consistent long-term protection against wood decay and insect attack.



Tanalith® E is authorised under the Biocidal Products Regulation (BPR). Formulations of Tanalith® E hold national approvals across Europe including the WPA Benchmark Approved Formulation, NTR NWPC and FCBA CTB-P+ scheme.

## STEP 3

# Ask about your SUPPLIER's approach

At Arxada, we encourage treaters to send us treated timber samples and Tanalith® E solution samples for analysis. This analysis assists treaters in maintaining rigorous quality levels.

**For the wood preservative to do its job and provide effective protection against wood decay and insect attack, the supplier treating the timber should:**

### **Select the most appropriate timber species**

- Some softwood timber species are more receptive than others to timber treatment.
- Processes such as mechanical incising will help to improve timber durability and extend the service life of more resistant timbers.

### **Prepare the timber prior to treatment**

- If the timber is dried prior to treatment it is much less likely to 'split' in service.
- Before any timber treatment is industrially applied, the timber moisture content should be at a specific level to allow the wood preservative to penetrate sufficiently during the pressurised treatment process. For many species, this moisture content should be around a minimum of 28%. However, for the treatment of Spruce, rapid drying to below 28% may reduce penetration and optimum conditions are achieved with air drying to circa 35-45% moisture content.

### **Ensure a quality treatment process**

- Ask your supplier about the quality controls in place to check that the timber is treated to the standard expected.



## STEP 4

# Specify ORIGINAL

**Tanalith®**  
**TIMBER**

The term 'Tanalith® Timber' has become synonymous with treated timber across the UK.

One of the most established global wood preservative brands is Tanalith® E and this is where the term 'Tanalith® Timber' originates from.

### What sets Tanalith® E apart?

- Introduced in 1992, Tanalith® E has 30 years proven performance.
- The long-term protection against wood decay and insect attack is achieved by the composition of actives and the unique formulation application technology - BARamine®.
- The primary ingredient is copper, formulated in conjunction with organic co-biocides.
- The award-winning BARamine® application technology further enhances the penetration and distribution of Tanalith® E into the timbers.
- It is authorised under the Biocidal Products Regulation (BPR).
- Formulations of Tanalith® E hold national approvals across Europe including the WPA Benchmark Approved Formulation, NTR NWPC and FCBA CTB-P+ scheme.



**Tanalised® Timber Smart** is a guide produced by Arxada.

To find out more visit

[www.tanalisedtimbersmart.co.uk](http://www.tanalisedtimbersmart.co.uk)

Tanalith® E 3475/8000/9000 are BPR authorised products. Tanalith® and Tanalised® are registered trademarks of Arxada.

**Use wood preservatives safely. Always read the label and product information before use.**

All product information corresponds to Arxada's knowledge on the subject at the date of publication, but Arxada makes no warranty as to its accuracy or completeness and Arxada assumes no obligation to update it. Product information is intended for use by recipients experienced and knowledgeable in the field, who are capable of and responsible for independently determining the suitability of ingredients for intended uses and to ensure their compliance with applicable law. Proper use of this information is the sole responsibility of the recipient. This information relates solely to the product as an industrially applied, high pressure wood preservative. It may not be applicable, complete or suitable for the recipient's finished product or application; therefore republication of such information or related statements is prohibited. Information provided by Arxada is not intended and should not be construed as a license to operate under or a recommendation to infringe any patent or other intellectual property right.

No claims are made herein for any specific intermediate or end-use application. All trademarks belong to Arxada or its affiliates or to their respective third parties and are used here only for informational purposes. We review literature as and when necessary. Please ensure you have an up to date copy.

© 2022 Arxada

TTSmartguide\_Oct22

**Tanalised®**  
**TIMBER**