



The Future Of Heavy Duty Wood Preservatives

Tanasote®

OIL-BASED WOOD
PRESERVATIVE



A New Way Forward



Tanasote® is a modern hot oil-based wood preservative containing copper and innovative organic co-biocides designed specifically to protect high performance heavy duty timbers and deliver a service life of 40 years plus, whilst minimising the risk of early failures.*

Developed and manufactured by Arxada, Tanasote® was approved in March 2021 under the Biocidal Products Regulation (BPR) Authorisation Process. It has been granted the maximum 10 years authorisation, passing all necessary environmental, human and animal health risk assessments. It is the only oil-based wood preservative that has this authorisation.

Key Features Of Tanasote® Wood Preservative



AGRICULTURAL
FENCING



RAILWAY
SLEEPERS



UTILITY
POLES

- A wood preservative based on an innovative combination of organic biocides and copper in a mobile oil formulation.
- BPR Authorised for a minimum of 10 years in 19 countries – Meets all efficacy, human health and environmental assessment criteria.
- Treatment offers a service life of at least 40 years* to protect against rot and insect attack, including efficacy against copper tolerant organisms, minimising early failures.
- Long-term performance enhanced by mobility of oil within the timber.
- The oil-based product achieves a high penetration depth into the timbers, with good water repellency for improved stability in service.
- Is the most effective alternative to Creosote for heavy duty timbers.
- Product is low odour.
- Proven with leading industrial groups.
- National approvals by leading wood preservative quality schemes – NWPC NTR Approved, FCBA CTB P+ Approved.
- Tanasote® S40 efficacy data has been reviewed by BM TRADA, a reputable independent third-party assessor. BM TRADA have agreed with the test data interpretation of a 40 year desired life for timbers in a Use Class 4 scenario of up to 40 years – a full copy of the summary statement is available on request from Arxada.

*Depending on commodity, desired service life, timber species and application, service life requirements can vary.

A Focus On Safety

In the Risk Assessments[†] commissioned for the BPR Product Assessment for Tanasote® it was evidenced that:

- Tanasote® S40 is even considered acceptable for the infants on a playground risk assessment scenario.
- No issues are to be expected when it (the product) is handled, stored or applied as recommended.
- No risk is identified for professionals or non-professionals working with treated wood or for the general public.

[†] For further detail refer to the BPR Product Assessment Report for Tanasote® S40, 2021



Agricultural Fencing Trial



TIM BENNETT
50 years experience in stock fencing

Tim Bennett Farming Fencing contractors have over 35 years' experience of using creosote and traditional preservative treated fencing timbers. As a forward thinking company they partnered with Arxada to trial Tanasote® treated timber fencing.

As part of the trial, 150 metres of Tanasote® treated fence posts were installed to complete a farm fencing project at Priors Byne Farm in Partridge Green, West Sussex.

Installed in 2018, Tim Bennett – Director, spoke of Tanasote® treated posts:

"The preservative does not 'bleed' from the timber during hot weather conditions, the treated timbers have no strong smell and they are easy and safe to use."

2018 - Installation



Andy Cordery was part of the team who erected the fencing and was impressed by the handling experience:

"It was just like using regular treated timber really. There is no strong smell or effect on my skin that you have with traditional high performance treated timbers."

2020



2021



Trust In Performance Through Testing



Tanasote® S40 efficacy data has been reviewed by BM TRADA, a reputable independent third-party assessor. The BM TRADA report summary states:

'...the technical arguments in addition to field stake test data and fungal cellar tests,.. enabled BM TRADA to come to the view that the Tanasote® S40 formulation used at a commercial product retention of 100 kg/m³ would likely deliver a desired service life for timbers in a Use Class 4 scenario of up to 40 years'.

The testing of wood preservatives is a well-documented procedure, covering both laboratory and field testing. In the development of new products across Europe and the UK, wood preservatives are commonly referenced against CCA and tested to the following Standards:

- **EN 252** – This European Standard specifies a field test method for evaluating the effectiveness of wood preservatives in a ground contact situation. To assess the protective effect of the preservative, wood treated with a reference preservative is included for comparison.
- **EN599-1:2009 + A1:2013** – For each of the five use classes defined in EN 335-1, this Standard specifies the biological tests required for evaluating the efficacy of wood preservatives for the preventive treatment of solid timber, together with the minimum ageing tests required for the respective use class.

Whilst the above EN Standards have played a significant part in the development of

Tanasote®, they typically are used to predict a service life of between 15 to 30 years.

For heavy duty timbers, it is imperative that a longer service life is provided, so Axada has engaged in additional testing that goes above and beyond standard requirements.

To prove real world performance in the most demanding of environments, Tanasote® has been subject to additional testing in high humidity and aggressive field test sites as well as laboratory fungal studies. Testing of water-repellent properties has also been undertaken.



Fahlstrom field stake test, Florida

Find out more



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Tanasote® S40 is a BPR authorised product. Use wood preservatives safely. Always read the label and product information before use.
The Tanasote® trademark belongs to Axada. All product information corresponds to Axada's knowledge on the subject at the date of publication (September 2022).