

Equestrian & Agricultural Fencing

Information Update



Tanasote®

OIL-BASED WOOD
PRESERVATIVE

The Modern Alternative To Creosote



Focus on Horse Cribbing Commercial Trials

Tanasote® is an oil-based copper wood preservative that offers a modern alternative to creosote for the long-term protection of agricultural and equine fencing. Specifically designed to minimise early failures whilst providing a long service life, Tanasote® was launched in April 2021 following Biocidal Products Regulation (BPR) authorisation.

Across Europe, Tanasote® has been granted the maximum 10-year authorisation (before re-authorisation) under the BPR, passing all necessary environmental, human and animal health risk assessments.

Biocidal Products Regulation (BPR) Authorisation

The BPR (EU No. 528/2012) came into force across all European Member States in 2012. It concerns the placing on the market and use of biocidal products, which are used to protect humans, animals, materials or articles against harmful organisms like pests or bacteria, by the action of the active substances contained in the biocidal product. This regulation aims to improve the functioning of the biocidal products market in the EU, whilst ensuring a high level of protection for humans and the environment.

All Tanasote® actives are on the BPR Authorised List of Active Substances, with no BPR exclusion criteria met for any active.

Tanasote® S40 is authorised as a wood preservative (product type 8) in 23 countries.



Environment, Human & Animal Safety Considerations

The BPR Product Assessment Report (PAR) is a thorough evaluation of chemical properties, efficacy, human health risk and impact to the environment. In particular, the Environmental Assessment includes data from leaching studies allowing the assessment of multiple scenarios including soil and ground water emissions from the treated timber.

Tanasote® passed the necessary and stringent environmental risk assessments for Use Class 4 (situation in which the wood or wood-based product is in contact with the ground and permanently exposed to wetting).

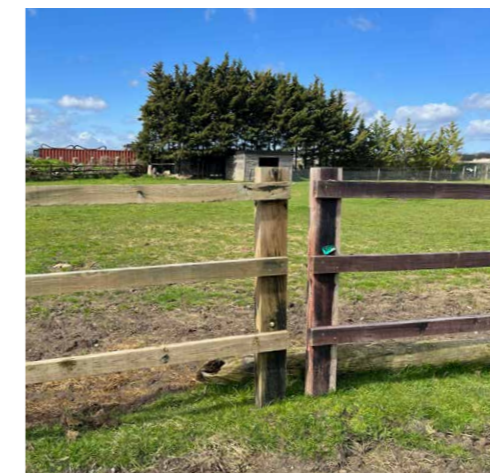
The human health risk assessment covers primary and secondary exposure to Tanasote® - i.e. operators treating wood and professionals, or non-professionals, working with Tanasote® treated wood. All relevant toxicological data on Tanasote® and its components is taken into account in the risk assessment.

For animal health, the risk assessment was based on livestock exposure, and considers residues that animals can take up by chewing, rubbing against, or licking the treated timber.

The animal risk assessment also considers inhalation of volatile substances, such as through horse cribbing, although this is not relevant to Tanasote® since the active substances have been shown to be non-volatile.

From 2019 Tanasote® treated posts and rails have been installed in five UK locations, as fencing for equestrian use, to determine whether horses would crib on the treated timber. See our Case Studies - *Trojan Timber* and *Professional Paddock Care*.

To date there is no observable evidence of cribbing on any of the Tanasote® treated fence rails, and none of the site owners have reported seeing their horses chewing on the treated timber.



- 1 Trojan Timber, Ickburgh, Norfolk;
- 2 Trojan Timber, Ashill, Norfolk;
- 3 Professional Paddock Care, Sleaford, Lincolnshire;
- 4 Dodd & Co, Kings Lynn, Norfolk;
- 5 Front Row Fencing, Market Rasen, Lincolnshire

Calders & Grandidge supplied all of the timber fencing for the horse cribbing trials.

CASE STUDY Trojan Timber

Trojan Timber has been serving the agricultural, landscaping and construction sectors with high quality timber for the past 25 years. During this time, creosote treated timber has remained in high demand so in 2019, with further restrictions on the use of creosote being considered, they agreed to participate in field trials of Tanasote® treated timber.

Sue Crane, Director of Trojan Timber explains why she and her business partner, Will Dickerson, wanted to observe first-hand how the new wood protection stood up against creosote, especially in the equine sector:

“Before taking on any new products, we have to be confident that our quality promise to customers won’t be sacrificed. I was really interested in how Tanasote treated timber would perform compared with creosote in equestrian settings, which is an important sector that we serve.

*Because horse cribbing is a concern for the sector, we installed Tanasote at two sites – one home to a prolific chewer and one where horse cribbing has not previously been a concern. At the site where cribbing is an issue, Tanasote treated timber was installed not only in the paddock, close to sections where the horse had chewed, but also in his stable. **All sections of the Tanasote treated timber remain untouched**, whereas the horse has chewed through the timber treated with a water-based copper preservative, even wire wrapped over the rail, did not deter him from this.*

At the site where horse cribbing has not previously been an issue, I did try to tempt the horses. I applied a saltlick directly onto the Tanasote treated timber and hung various Himalayan Rock Salts from the posts. To date neither horse has chewed the Tanasote treated fencing.

I have to admit that at installation I was concerned about the appearance of the Tanasote treated timber. I was worried that the bright green colour would be difficult for the horses to identify, plus I was sceptical



that it would transition to a brown colour, similar to creosote over time.

Four years after installation I am pleased to report that the horses did not have an issue with the colour, which over time has predominantly turned brown, with pockets of darker brown similar to that of creosote. It’s been interesting to compare the colour of Tanasote treated timber with that of creosote, water-based copper and untreated timber.

From a performance perspective, we have seen no issue with the Tanasote treated sections. Having tested Tanasote first-hand, we would be confident in offering the treated timber to our customers.”



1. Tanasote® treated wood at installation in 2019.

2. Comparison of treated wood 2 years after installation (in 2021).

3. The prolific chewer has not touched Tanasote® treated timber but continues to crib on timber treated with water-based copper preservative as the image below shows.

4. Comparison of treated wood 4 years after installation (in 2023).



CASE STUDY Professional Paddock Care

Professional Paddock Care is a long-established family business based in Sleaford, Lincolnshire, specialising in equestrian works and other animal enclosures. The business agreed to trial Tanasote® treated fencing to test for themselves if it is capable of keeping animals safe and secure in their fields.

April Hutson, General Manager of Professional Paddock Care, explains:

“Equine fencing should be both functional and attractive. To help owners create the right environment for their animal's welfare we predominantly recommend pressure treated, creosoted timber. When our main supplier of treated timber spoke to us about Tanasote as a modern alternative to creosote, we were keen to test if it is a viable option for our business to recommend in the long-term.”

As experienced fencing contractors, we know the challenges of working with creosoted timber and take all necessary precautions when working with it. Having installed Tanasote treated fencing at our Director's, John Clayton,

private paddock, the team are really impressed with the new treatment.

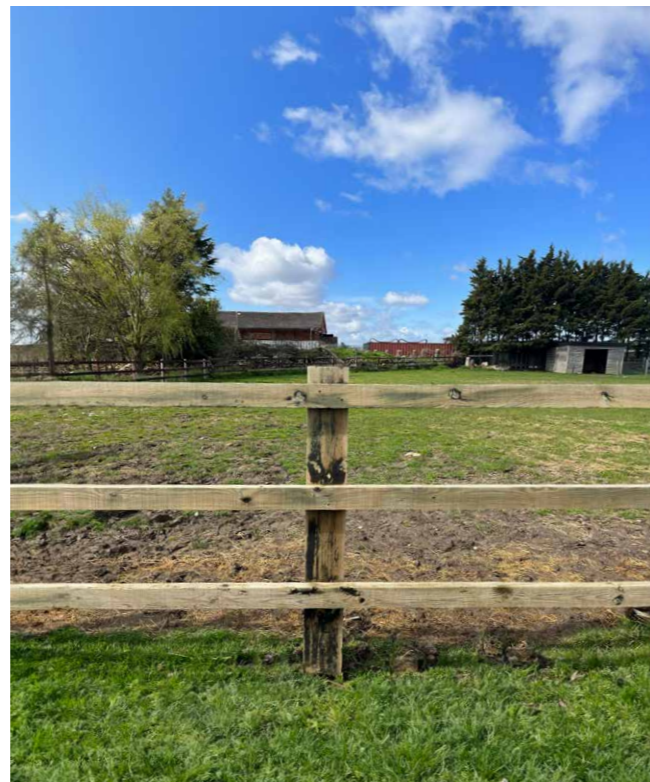
Installed in 2019 alongside timber sections that were untreated, treated with creosote and treated with a water-based copper wood preservative, the Tanasote fencing is performing well. Colour-wise, the Tanasote treated fencing has changed from its initial bright green colour to an attractive dark brown. On site, four years after installation, the colour is looking very similar to the creosoted fencing adjacent to it.

We keep checking for points of failure and dig the soil around ground contact. All is looking well with no signs of failure. Plus, there is no evidence of horse cribbing, which is great news for our customers who have chewers in their paddocks.

Quality and safety is at the heart of Professional Paddock Care, so we are excited by the prospect of Tanasote treated timber. It looks great, provides quality protection to the timber and doesn't smell like creosote.”



No evidence of Tanasote® treated post failure at point at ground contact.



Tanasote® treated timber blends in well with the natural environment.

Focus on Agricultural Fencing Commercial Trials

CASE STUDY

Tim Bennett Farm Fencing

Tim Bennett Farm 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 in 2018 to complete a project at Priors Byne Farm in Partridge Green, West Sussex.

In 2022 Tim Bennett, Managing Director, attended the AFI Timber Conference and spoke about Tanasote® to attendees:

“In my experience 4 years is enough time to detect a failing post. I can see no sign of failure on any Tanasote post I have installed. There is no sign of plant and vegetation ‘burn’ around the base of the posts.”

Tanasote has a distinctive smell but it is not as invasive as creosote. It is not a smell you take home with you at the end of a working day, or one you revisit each time you open your toolbox. Out in the field you would not notice a smell.”



2018 - installation



2021 - visit



2022 - visit

To find out more visit

www.trusttanasote.com

Tanasote®

Tanasote® S40 is a BPR authorised product.

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

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