



PRESSURE TREATED
VINE STAKES

TECHNICAL INFORMATION for VINE STAKE USERS

FEBRUARY 2009



BACKGROUND

Timber for vine stakes is the preferred choice of material for most vineyard owners. It is cost effective, environmentally acceptable and aesthetically pleasing. To meet the desired service life expectations the vine stake timbers are first pressure impregnated with wood preservatives to prevent fungal decay and insect attack. Treated timber vine stakes have been used for this purpose for many years and have an excellent record of performance.

Over the last few years the impact of European legislation has resulted in most markets that use treated timber moving over from traditional wood preservatives, such as chromated copper arsenate (CCA) type products, to a new generation of more environmentally advanced alternatives.

To meet these requirements Arch Timber Protection developed and introduced TANALITH® E wood preservative - a unique, highly effective preservative protection system based on patented copper triazole technology. The copper is derived from recycled sources and is well known for its fungicidal and insecticidal properties. Combining copper with a triazole system broadens its spectrum of activity to give complete protection against wood decay organisms. The triazoles used in TANALITH® E are biodegradable and are commonly used to protect many of the food crops we eat. Following impregnation the copper and triazole components bond with the wood structure so that they cannot be easily removed from the timber. **Arch Timber Protection can assure users of TANALITH® E treated timber vine stakes that they will be safe and appropriate to use within their businesses.**



PERFORMANCE

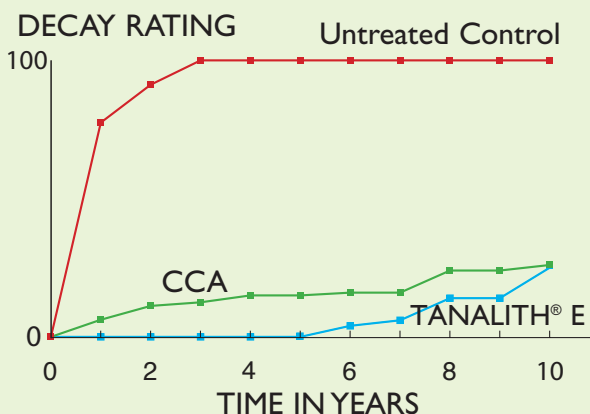
First launched commercially in 1992, TANALITH® E pressure treated timber is today a truly global product that is approved and used in more than 30 countries worldwide. TANALITH® E pressure treated timber is protected against fungal decay and insect attack and is the perfect product for a wide range of end uses, including ground contact applications such as vine stakes.

TANALITH® E pressure treated timber has been extensively tested by Arch Timber Protection and expert independent authorities. Whilst laboratory tests provide a good indication of the

comparative performance of treated timber, in practice field tests under natural conditions provide a more realistic assessment of long-term performance. TANALITH® E pressure treated timber has been installed in more than 20 field test sites around the world, some of which have extremely aggressive conditions.

Traditional galvanised metal fixings can be safely and confidently used with TANALITH® E treated vine stakes.

The graph shows that small samples of TANALITH® E pressure treated timber are providing outstanding performance, in an aggressive field test site after 10 years. This demonstrates that commercial sized timbers, such as vine stakes, can achieve a desired service life of 20 years or more in ground contact.



www.archtp.com



Arch
Timber
Protection

Arch Timber Protection

Wheldon Road, Castleford, West Yorkshire,
WF10 2JT, United Kingdom.

Tel: +44 (0)1977 714000 Fax: +44 (0)1977 714001

E-mail: advice@archchemicals.com

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