

TANALITH® E

1.0 Description

Long-term protection against wood-boring insects, termites and fungi.

Composition:	Copper compound and azole
Formulation:	Soluble concentrate
Appearance:	Blue liquid
Odour:	Mild, ammonia like
Density:	1.1 – 1.2 g/ml
Solubility:	Highly soluble in water
pH:	9.3 – 11.0

2.0 Function

2.1 General

Tanalith® E is a patented, unique waterborne timber preservative applied by vacuum pressure that contains copper and triazole biocides (Copper Azole). 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 and is the perfect product for use in above ground, in ground and water contact situations. The triazoles used in Tanalith® E are biodegradable and are commonly used to protect many of the food crops we eat.

2.2 Application

Tanalith® E treated timber is suitable for all end uses of timber from in ground applications such as utility posts, retaining walls, fences as well as above ground applications like cladding, garden and leisure wood structures, playground equipment, roof trusses and decks.

3.0 Benefits

- Proven and effective long term protection against fungal decay and insect attack, including termites
- Designed for use internally in building or outdoors, either in ground, above ground or in water contact

- Can be glued or painted

Lonza Wood Protection provides services such as plant commissioning, training on plant operation, quality control, treatment methods, hydrometer chart, charge sheet and Treatment Certificate. Our laboratory is equipped to test for retention as well as penetration of Tanalith® E in treated timber.

4.0 Directions for Use

4.1 General

Tanalith® E is diluted in water and pressure treated into timber with a vacuum pressure impregnation plant. Please consult Lonza Wood Protection before commencing treatment.

If any cutting, notching or drilling is made to the timber following treatment then any exposed surfaces should be liberally swabbed with Enseal AZ end grain preservative to maintain the integrity of the treatment.

4.2 Metal fixings

As Tanalith® E pressure treated timber is designed to give long term performance, it is appropriate to use metal fixings and fastenings that give a comparable service life. Under normal conditions, the use of hot dipped galvanized nails, screws and fixings is recommended. However, it is important to note that there are many thicknesses of galvanized coatings available and the thicker the coating, the longer the expected service life of the fixing. For longer service lives or use in situations with continued high moisture levels, stainless steel fixings are recommended.

4.3 Mouldicide Requirement

Mould will grow readily on all wet wood, whether or not it is treated. Therefore, use of mouldicides is mandatory to minimize the possibility of mould grow during storage after treatment.

4.4 Maintenance

Tanalith® E pressure treated timber does not have to be painted or stained to maintain its preservative properties. However, if colour is



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required, decorative coatings can be used, as can brush-on water repellent products. For protection against water damage, regular application of a brush-on water repellent is recommended, particularly for outdoor garden wood structures such as decking. Always follow the coating manufacturer's instructions.

5.0 Safety and Handling

Please refer to material safety data sheet for further information.

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