



Arxada Wood Protection is a leading global manufacturer of timber treatments, and a key supplier to The Dyna Group for their various processed wood products. Although timber preservation protects against insect and fungal attack, visual and structural deterioration of the timber can still occur due to exposure to the weather.

Coatings help extend the life of timber, and protect it from its enemies; moisture, UV radiation and mould.

Moisture

Moisture is the biggest threat to timber, causing swelling and movement that affects the dimensional stability of the timber, as well as making timber more susceptible to degradation by rot.

- By coating timber on all sides, including the end grain, with a suitable coating, such as Tanacoat, water settles on the surface rather than being absorbed into the timber. This helps to reduce the rate of moisture transfer and the extremes of movement (swelling and shrinking) to minimise warping, surface checking and splitting.
- Tannin will only bleed out of timber if it comes into contact with water. By reducing the chance of water contact, coating ensures the tannin remains locked into the timber.

UV Radiation

UV radiation exposure leads to the drying and bleaching of the timber surface, causing it to turn grey over time. Using a well formulated coating containing UV absorbers and pigments, the coating will help to block this radiation, maintaining its natural colour over the long term and improving its longevity.

Mould Growth

Mould growth can be a serious concern for timber. In cold and humid environments, constant moisture can cause the growth of mould both within the timber and on its surface. A coating containing mould inhibitors will help to reduce its growth and protect timber from unsightly stains. To ensure the timber remains protected from moisture ingress, the coating must be maintained correctly over its lifetime.

