



From a sheep's back, one of the world's best protective coatings.

Lanolin is a unique natural substance produced by sheep to form a natural protective coating on wool fibres.

Its preservative and lubricant properties have been known and exploited for thousands of years. Yet despite considerable efforts, scientists have been unable to match either the performance or composition of lanolin.

For some time, synthetic anti-corrosive and preservative products produced from crude oil looked like replacing lanolin. However, as the world's reserves of crude oil decline – and the damage done to the environment by the toxic effects of petro-chemicals and synthetic products became increasingly apparent – lanolin has experienced a 'renaissance'.

Other Lanotec Products



General Purpose Liquid Lanolin

For general corrosion protection of automotive, marine, electrical, sporting and gardening equipment as well as the rejuvenation of aluminium, leather, vinyl and plastics.



Heavy Duty Liquid Lanolin

For use in harsh and corrosive environments where extra protection is required. Lubricates and extends the life of wire ropes and industrial chains.



Timber Seal

A seasoned timber and decking finish, perfect for protecting and rejuvenating timbers. Penetrates, preserves and weatherproofs timber as well as preventing drying, splitting and end grain swelling.



Release Agent

The formworker's friend! Reduces adherence of the concrete to equipment, doors, windows, railings etc subject to concrete "overspray" or splashing and aids the cleaning of equipment.



Citra-Force

A powerful, natural and biodegradable citrus based cleaner and degreaser, the perfect partner for lanolin. Removes tar, oil, carbons, uncured silicone and grease from tools, equipment and household items.

Who is Lanotec?

Lanotec is a dynamic, innovative, 100% Australian owned company involved in the manufacture and marketing of environmentally friendly products for industrial, commercial and domestic use.

By using naturally based products, our aim is to provide solutions that are both environmentally friendly and user safe.

Lanotec Timber Seal PLUS is typical of the products we develop and manufacture. It was designed to protect and preserve timber assets while meeting all our environmental objectives.



The Power of Nature

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Protecting boardwalks, bridges and jetties with the power of nature.





Environmentally Friendly Solutions

Harnessing nature to get the best results for nature.

Timber is costly and becoming more so. And some timber grades are now extremely rare and need to be conserved. Small wonder timber built assets are so expensive to replace.

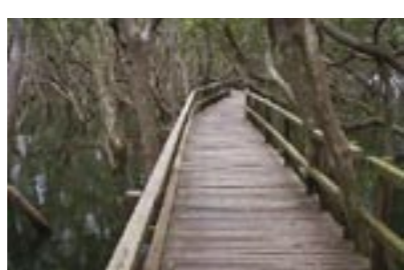
The protective qualities of lanolin, including its ability to repel moisture, which in turn reduces decay, make it the ideal basis for conserving timber assets in wetlands, parks and marine environs. Here, in some of nature's harsher environments, nature itself offers an effective and environmentally sensitive solution. It's kind to flora, fauna and waterways because it is biodegradable and contains no toxic chemicals.

Lanotec, a 100% Australian owned and operated company, has developed **Timber Seal PLUS**, a lanolin based treatment for the preservation and protection of timber structures.

Protecting timber, protecting the environment.

Lanotec **Timber Seal PLUS** is a water repellent, which also penetrates into and preserves the timber. It prevents drying and end grain splitting and protects against wood rot. It is acid and salt water resistant, so it copes with the harshest environments while protecting the most sensitive ones.

That's because lanolin is biodegradable in the long-term, and is non-toxic, non-leaching, and non-polluting.



Timber bridge in Nambucca Shire



Spraying Lanolin Liquid on timber surface



Pumping Lanolin Grease into timber joints



Applications and FAQs

Naturally, we've made it simple to apply.

Lanotec Timber Seal PLUS isn't only effective, it's also easy and safe to apply. And because of the inherent safety of lanolin based products, there is no need for the rigorous safety precautions demanded by toxic alternatives.

Answers to important application questions.

How is Timber Seal PLUS applied to the deck of a boardwalk?

For the best results, apply by spray, brush or roller. Coats should be applied lightly and sparingly – over application will result in a tacky finish.

How is Timber Seal PLUS applied to the underside of a boardwalk?

Apply by spray, preferably before construction.

Can it be applied to 'green' timber?

No. If timber is freshly milled or 'green', only apply inside joints and on bolts and fastenings. Timber should be allowed to weather further before application (4 – 6 months).

How should untreated timber be prepared?

Untreated timber should be treated against mould and/or fungus spores using any quality broad spectrum agent.

What if the timber was previously coated with decking oil?

Yes, provided the timber is showing signs of dryness before applying Timber Seal PLUS.

What about waterbased acrylic coatings?

Unfortunately Timber Seal PLUS is not compatible with these coatings.

Can Timber Seal PLUS be tinted?

Yes. See your local paint supplier for the recommended ratio.

Is any finishing of the final coat required?

No, except if applied to dressed timber (handrails). This should be buffed, preferably with a lambswool applicator or terry towelling cloth.

Can Lanotec protect steel boardwalk components?

Yes. Base plates, bollard cappings and threaded rods and bolts should be coated with Lanotec Type 'A' Grease.

Case Studies and Products

Lanotec passes the tests.

Test 1. Extending the life of timber bridges

The local government area of Nambucca Shire in northern New South Wales has 150 timber bridges. With the cost of replacement spiralling, extending the lives of these bridges has become a critical consideration. The Council's Director of

its Operations and Technical Services Department has concluded that "...the use of Lanotec products has greatly improved the durability of the timber in the bridges and (bridge staff) will expand its use across the entire bridge network".

Test 2. Preserving the Art Gallery Boardwalk

Lanotec also came through with flying colours when Brisbane City Council conducted a trial using two 100metre sections of the Art Gallery Boardwalk. One section was CN treated, while the other was treated with Lanotec's lanolin-based solution. Over a three-year period, the rate of replacement for the CN treated section

was twice that of the Lanotec treated area. You can see the difference Lanotec makes in the adjoining photo; mid morning after two days of rain, the CN treated area is darker and wetter than the Lanotec area, suggesting that Lanotec is doing a better job of sealing and waterproofing the timber.



Products for boardwalk applications.

Lanotec Timber Seal PLUS

Ideal for rough sawn timber and structural timbers such as boardwalks, jetties, piers and marinas.



Lanotec Type "A" Grease

Lanolin in grease form that can be grease gunned into joints. Other uses include the lubrication and protection of steel, aluminium and wire rope products and equipment which is exposed to extreme conditions.

