



# BIO PRODUCTS PTY LTD

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## WHY CHOOSE BIO NATURAL PAINTS, OILS, VARNISHES AND WAXES?

BIO Products provide high quality natural finishes which are primarily based on minerals and plant extracts. They avoid toxic Volatile Organic Compounds (VOCs). BIO Products are formulated for durability, finish quality, colour, appearance, feel and to minimize impact on both health and the environment.

The application methods for BIO Products are similar to that for common petrochemical based paints. BIO Products last just as long as 'conventional' finishes and are quite washable.

BIO Products are the **Best Natural Finishes**. All BIO products:

- have declared ingredients
- are formulated to be as low allergenic or allergy free as is possible
- minimise contribution to greenhouse emissions
- use renewable raw materials, with the exception of some abundant minerals such as clay
- are packaged in recyclable containers
- use natural ingredients or a non-toxic synthetic material if no natural alternative exists
- are manufactured and tested to high standards
- are able to be used by professional painters and/or home renovators
- can be applied with the usual tools and methods such as brush, roller or spray
- are free of dangerous chemicals found in other finishes.

Other surface finishes may include toluene, xylene, glycol ethers, formaldehyde, chlorobenzene, acrylic resins, vinyl chlorides and heavy metals. BIO Products have NONE of these.

## RANGE

BIO Products present a comprehensive range, which includes:

Wall Paint

Wall Primer

Timber Oils - interior and exterior - for floors, decking, doors, window frames and cabinetry

Timber Varnishes – interior and exterior - satin and gloss

Enamel Lacquers - both water based and plant oil based - matt, semi-gloss and gloss

Enamel Lacquer Undercoat

Waxes

Specialised Cleaners

Thinners

Preservative

## COLOUR

BIO Products has a range of natural mineral pigments, which can be mixed to achieve a wide range of both unique and popular colours.

You can buy the BIO pigments and mix your own colours (a formula or 'recipe' can be provided), or if you prefer colours can be mixed for you. Oils and varnishes are also available in a limited range of colours.

Whilst these natural finishes are quite simple to use, application guides and coverage data are provided in information sheets, on the BIO website and also on the container.

Surfaces finished with our products can be easily cared for, renewed or rejuvenated.

The all natural content allows surfaces to 'breathe', so air and moisture can pass through. This prevents condensation forming, which in turn reduces the likelihood of mould developing.



## **COST**

Higher quality and relative smaller production volumes place BIO Products at about mid-range on the cost scale when compared to all surface finishes (including petrochemical products). They are proven to be very cost-effective when compared to other natural finishes. If the cost seems higher than a particular petrochemical product, consider the cost difference relative to the substantial health and environment benefits of BIO, and remember the cost is spread over the years between now and the next time you redecorate. You'll find BIO Products are well worth it!

## **ARE ALL GREEN PAINTS AND TIMBER FINISHES EQUAL?**

There are many 'green' paints and timber finishes advertised, most of them are not natural. Claims are based on their 'improved' Volatile Organic Compound (VOC) content (relative to their previously very high VOC content), or recycled petrochemical content. These 'green' products are usually a small part of their range, more of a marketing exercise rather than recognising the long known hazards and toxicity of many of their paint ingredients.

Unlike other options, BIO surface finishes are made in Australia, for Australian conditions by an Australian owned company. Australian ingredients are used as much as possible. Apart from the confidence this gives in the product and the obvious socio-economic benefits, this also keeps the product environmental footprint to a minimum.

## **WHAT IS A VOC?**

A VOC is an organic compound made up mostly of carbon and hydrogen, but includes many other chemical elements. It is volatile, which means it easily becomes a gas.

Think of a petrol station in summer, sometimes you can see the petrol 'haze' or fumes coming from the bowser nozzle. This is the petrol volatilising, becoming a gas. Petrol is toxic, and we are usually careful not to breathe it in. Conventional paints are made from petrochemicals, that include some that are quite toxic, and these toxins continue to volatilise long after the paint is applied. It's impossible not to breathe in the fumes when they're in the house you are living and sleeping in.

Toxic VOCs affect us in many different ways. Our bodies can usually tell when VOCs are good or bad for us – we recoil at the smell of methane, turps and car exhausts. Now think about surface finishes. We don't usually smell wet paint and delight at the sensation. (Some manufacturers mask the smell of VOC's with synthetic perfumes, which may smell better but are no better for us, and don't remove the hazard.)

The VOCs in paint can cause headaches / migraines and nausea. Many other more serious problems can result such as Painter's Syndrome (brain and central nervous system damage), respiratory diseases and cancers. VOCs are key contributors to "Sick Building Syndrome". The problems are made worse when we live and sleep with harmful toxins. Poor indoor air quality, ranks amongst the top environmental risks to public health. Research has found indoor air quality can be many times worse than the air quality outside.

Many synthetic, or plastic, paints and timber finishes outgas for up to 5 years. By the time you get rid of the toxins completely, it is just about time to redecorate.

**Choose BIO for life. It's better for your health and better for the environment.**