
PRODUCT DATA SHEET

Biosymph – Water Based Fence Paint

Description:

Biosymph's Water Based Fence Paint has been designed to meet the needs of the future. Creosote or Carbolineum has been limited and / or forbidden in some countries due to adverse environmental impacts. Water Based Fence Paint provides an alternative that is performance-oriented and environmentally compliant.

Our Water based Fence Paint is an innovative aqueous, alkyd emulsion binder based, wood paint and coating formulated and designed specifically for the New Zealand climate. It has an excellent balance of water resistance and mechanical properties, providing long lasting wood protection against the effects of weathering damage with a good balance of dry film properties.

Because of its rot-resisting and disinfecting effect, our Water Based Fence Paint is ideally suited for the preservation and coating of wooden structures such as domestic urban fences, post and rail fences, retaining walls and other timber structures etc. This is a low odour, Formaldehyde and Alkyl phenol ethoxylate (APOE*) FREE product.

* APEO and Formaldehyde are not intentionally added and are not knowingly introduced from another raw material.

Timber requires one coat only and One (1) Litre will cover approximately 6 to 8 Square Meters.

Our Water Based Fence Paint is intended primarily for surface application by brushing, rolling or by airless spray equipment. Our Water Based Fence Paint Gives an economical yet high quality finish which is ideal for larger projects.

A re-coat will be required after 4 to 6 years.

The colour is a deep pitch, jet black (VANTA BLACK) and it's only available in this colour.

Benefits:

- Water based so non-flammable, and clean-up is with water
- Non-corrosive to metals and can be used on all wood structures
- Re-coating is typically only necessary 4 to 6 years later, where after it will last another 8 to 10 years before requiring another coat
- Environmentally safe and nontoxic product
- Exceptional coverage, easy application and require one coat only!
- High viscosity to minimise any over spray when applied with spray equipment.
- Contains biocides to eliminate moss and lichen growth.
- Can be applied over existing stained or painted substrates

Physical Properties:

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|-----------------|---|
| Physical State: | deep pitch, jet black (VANTA BLACK) paint |
| Odour: | Low volatile content, minimal paint smell |
| Solubility: | water |
| Volume Solids: | 26% |
| Weight Solids: | 28% |
| Density: | 1.12 |
| pH: | ~8.1 |
| Dispersant: | (active based on total powders) 1.0% |
| Coalescent: | (based on polymer solids) 5.0% |

Viscosities:

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|----------------------------------|-----------------------|
| Krebs Stormer: | (KU) 118-122 |
| ICI Cone and Plate: | (Poise) 1.6-1.8 |
| Brookfield (spindle 4 / 60 rpm): | (mPa.s) 8500 – 9500 |
| Brookfield (spindle 4 / 6 rpm): | (mPa.s) 17500 - 20000 |

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|----------------------------|---|
| Dry Schedule film: | 21 °C /40 minutes |
| Toxicity: | Not determined |
| Clean-up: | water |
| Shelf Life: | 1 year |
| Theoretical Coverage Rate: | 3.0 sq metres per litre at 40 microns DFT |
| Application: | Spray, brush or roller |
| Dry Times: | Tack Free 24hrs |
| Recoat: | Overnight |

Surface Preparation and Application:

Water Based Fence Paint is suitable to use on all wood, although it is specifically formulated as a fence preserver for the New Zealand climate. For best results, this paint should be stirred prior to use and applied to dry and clean timber. It should not be thinned or diluted with water or thinning agents.

Water Based Fence Paint can be applied by brushing, dipping, airless or air-assisted spray equipment.

Timber typically requires only one coat. For greater colour depth, a second coat can be applied. One Litre will cover approximately 6 to 8 Square Meters dependent on the application (equivalent to 5 to 7 metres of post-and-3-rail fence). Spraying may cover less due to likely over-spray.

This product is suitable for use on all wooden structures. It is not to be used as a marine anti-fouling paint, a pruning paint on trees or shrubs or in the commercial treatment of timber.

Clean up:

As a water-based product, it can be cleaned with soap and water.

Safety:

This product contains solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during all storage and use. Please refer to this product's MSDS for complete safety information (available on our website).

Limitations:

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use. Our liability (including liability for breach of warranty, strict liability in tort, negligence or otherwise) is limited exclusively to replacement of the product or refund of its price. Under no circumstance are we liable for incidental and consequential damages.

For more information or if you have any questions regarding special applications and require further advice, please do not hesitate to give us a call.



The image shows a rectangular box with a black border. At the top, it features the 'biosymph' logo with a green leaf icon and 'Paints and Products' text. Below this is a green horizontal line. The middle section has a black background with white text: 'Pierre van Vuuren – Managing Director', 'Email: Admin@biosymph.co.nz', 'Phone: Mobile-022 607 6400 After hours-(07) 829 8606', and 'www.biosymph.co.nz'. The bottom section has a white background with three logos: 'BitPost' (Timber Stain & Preserver), '100% NZ KEEPING IT REAL' (with a leaf icon), and 'GilsolFlex' (Gilsonite Roof Sealer & Paint).