
PRODUCT DATA SHEET

Biosymph – Water Based Preparation Coat

Description:

Biosymph's Water Based Preparation Coat has been designed to meet the needs of the future. Our Water Based Preparation Coat provides the foundation for a superior, long-lasting, performance-oriented and environmentally friendly finish.

Our Water Based Preparation Coat is an innovative aqueous, alkyd emulsion binder based sealer, primer, bonding liquid & undercoat paint formulated and designed specifically for New Zealand applications. It has an excellent balance of water resistance and mechanical dry film properties, providing long lasting protection.

Because of its rot-resisting and disinfecting effect, our Water Based Preparation Coat is ideally suited as a sealer and undercoat for GIB plasterboard, cladding, timber, 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.*

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

Our Water Based Preparation Coat is intended primarily for surface application by brushing, rolling or by airless spray equipment.

Our Water Based Preparation Coat should be painted over with a suitable Acrylic or Aqua Enamel Alkyd topcoat, such as our ClimoPlate topcoat.

This product is typically used as a Sealer, Primer or Undercoat so no re-coat will be required in the future.

This product is currently only available in the colour WHITE.

Benefits:

- Interior & Exterior surface preparation coating (Sealer, Primer & Undercoat)
- Water based so non-flammable, and clean-up is with water
- Non-corrosive to metals and can be used on most structures without the need for sanding
- An environmentally safe and nontoxic product, that is safe to use around animals
- Exceptional coverage and easy application, requiring one coat only!
- High viscosity to minimise any over-spray when applied with spray equipment.
- Contains biocides to eliminate moss and mould growth.
- Can be applied over existing stained or painted.

Physical Properties:

Appearance:	Creamy thixotropic WHITE paint
Odour:	Low volatile content, minimal paint smell
Solubility:	water
Volume Solids:	26%
Solids Content:	44%
Density:	1.38 Kg/Ltr
pH:	~8.5
Dispersant:	(active based on total powders) 1.0%
Coalescent:	(based on polymer solids) 5.0%

Viscosities:

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

Dry Schedule film:	21 °C /40 minutes
Toxicity:	Not determined
Clean-up:	water / mineral turpentine
Shelf Life:	1 year
Theoretical Coverage Rate:	6.0 sq metres per litre at 30 microns DFT
Application:	Spray, brush or roller
Dry Times:	Tack Free 24hrs
Recoat:	Overnight

Surface Preparation and Application:

Water Based Preparation Coat is suitable to use on all substrates as the foundation for a superior finish. For best results, this paint should be stirred prior to use and applied to dry and clean substrate. It should not be thinned or diluted with water or thinning agents.

Water Based Preparation Coat can be applied by means of brushing, rolling, airless or air-assisted spray equipment.

Substrate 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. Spraying may cover less due to likely over-spray.

This product is suitable for use on most substrates. 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. Brushes might require mineral turpentine for a thorough clean.

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 white background and a black border. At the top left, it features the 'biosymph' logo with a green leaf icon and a 'TM' symbol, followed by the text 'Paints and Products'. A thick green horizontal line separates this header from the contact information below. The contact details include: 'Pierre van Vuuren – Managing Director', 'Email: Admin@biosymph.co.nz', and 'Phone: Mobile-022 607 6400 After hours-(07) 829 8606'. Below the contact info is the website 'www.biosymph.co.nz'. At the bottom, there are three logos: 'BitPost' (with a 'TM' symbol) and 'Timber Stain & Preserver', a '100% NZ KEEPING IT REAL' logo with a leaf icon, and 'GilsolFlex' (with a 'TM' symbol) and 'Gilsonite Roof Sealer & Paint'.