

PRODUCT DATA SHEET

BitPost™ Timber Stain and Preserver

Description:

Biosymph's BitPost™ 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. BitPost™ provides an alternative that is performance-oriented and environmentally compliant.

BitPost™ is a New Zealand manufactured bituminous emulsion / polymer product. It is an oily, water-soluble, non-flammable, black to very dark brown mixture made from bitumen and petroleum components. Because of its rot-resisting and disinfecting effect, it is ideally suited for the preservation and staining of all wooden structures, including post-and-rail fences, retaining walls, construction timber framing, in-ground planted posts, stables, etc.

BitPost™ penetrates timber rapidly due to its viscosity. It gives a high degree of water repellence and will retard distortion, movement and splitting of timber due to weather exposure. BitPost™ is non-corrosive to metals and can have a protective action on iron and steel.

Benefits:

- The Bitumen additive prevents horses from nibbling on coated fence rails and stalls
- Reduces the risk of red mite infestations – perfect for chicken coops
- Non-flammable
- Non-corrosive to metals
- Re-coating is typically only necessary 3 to 5 years later, where after it will last another 8 to 10 years before requiring another coat

Physical Properties:

Physical State:	black to dark brown liquid
Odour:	petroleum bitumen odour
pH:	not applicable
Solubility:	soluble in organic solvents (Mineral Turpentine)
Relative Vapour Density (air=1):	not available
Boiling point:	initial 100°C
Ignition Point:	not available
Flash Point:	not applicable
Specific Gravity:	less than 1.2
Vapour Pressure:	2.13 kPa
% Volatiles:	10%
Evaporation Rate:	not available
Viscosity:	ASTM D 1200cps 18-22 sec #3 Zahn Cup
Dry Schedule film:	21 °C /40 minutes
Toxicity:	Not determined
Material VOC:	ASTM D-3960 406 g/l

QUV:	No gloss loss @ 300 hrs.
Clean-up:	Mineral Turpentine
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 16hrs
Recoat:	Overnight

Surface Preparation and Application:

BitPost™ 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 stain 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.

BitPost™ - *Brush On* can be applied by brushing, dipping, airless or air-assisted spray equipment.

BitPost™ - *Spray Grade*, with its adjusted viscosity, can be applied by spraying with a knapsack garden sprayer or other spray equipment.

Timber typically requires only one coat. For greater colour depth, a second coat can be applied. One Litre will cover approximately 2 to 3 Square Meters dependent on the application (equivalent to 3 to 4 metres of post-and-3-rail fence). ***Spray Grade*** may cover less due to likely over-spray.

This product is suitable for use on all wooden structures. However, if there is likely to be frequent brushing against the surface or contact with clothing, we recommend our other products, such as StainDex™ (please see our website). 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- and oil-based product, it can be cleaned with soap and water or mineral turpentine.

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.

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Paints and Products

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BitPostTM
Timber Stain & Preserver



100% NZ
KEEPING IT ALIVE



GilsolFlexTM
Gilsonite Roof Sealer & Paint