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## PRODUCT DATA SHEET

### ClimoPlate™ Roof Paint Top Coat

#### **Description:**

Biosymph's ClimoPlate™ has been designed to meet the needs of the future. This state of the art roof paint is performance oriented and environmentally compliant.

ClimoPlate™ is an Alkyd-based polymer paint, specifically but not exclusively formulated to act as a top coat over bitumen-based sealers such as Biosymph's GilsoFlex™ and FlexsoTar™ products. The chemistry used in this coating maximizes performance with reduced VOC content and excellent colour fast and UV stability. This product is non-toxic and can safely be used in applications where it comes into contact with drinkable water, animals and children.

ClimoPlate™ has a special water/oil emulsion package that aids application, but has quicker drying times than other similar aqua-enamel coatings. Agitation during application is recommended to ensure the best finish and consistency.

This paint should be thoroughly mixed before application. Agitation during use may also be required as with all paints and coatings. *It is not recommended that any solvents, water or additives be added to this product. It can, however, be thinned with our Xylene blend thinner to a maximum of 5% if required.*

ClimoPlate™ roof paint is a versatile paint that can be used in a wide range of applications, including:

- **As a Top Coat over GilsoFlex™ or FlexsoTar™:** *ClimoPlate™ is specifically developed to be compatible over such bitumen-based sealers and paints.*
- **On Galvanised roofs:** *Available in a wide range of colours, please enquire.*
- **On Concrete tile roofs:** *Available in a wide range of colours, please enquire.*
- **On Timber and Plywood:** *Suitable to use on plywood to paint to a more appealing colour.*
- **On other timber and metal structures and substrates**

#### **Benefits:**

- Excellent film integrity and colour to (80 °C)
- The fully dried paint allows for cleaning with typical household cleaners, without affecting the finish
- Lower VOC emissions
- UV Stable
- Long lasting

#### **Physical Properties:**

Colour:	Available in a wide range of colours – Please enquire
Flash Point:	None
Viscosity:	ASTM D 1500cps 18-22 sec #3 Zahn Cup
Dry Schedule film:	21 °C /40 minutes
Specific Gravity:	1.15 g/cm <sup>3</sup>
Toxicity:	Not determined
Material VOC:	ASTM D-3960 406 g/l

QUV:	No gloss loss @ 300 hrs.
Clean-up:	Xylene
Shelf Life:	1 year
Theoretical Coverage Rate:	6.0 square metres per litre at 40 microns DFT
Application:	Brush or roller, can be sprayed by airless spray equipment with suitable thinner
Dry Times:	Tack-free after 4hrs
Recoat:	Overnight

**Surface Preparation:**

Substrate surfaces should be free from dirt, grease, moss, lichen and should be dry before applying ClimoPlate™ roof paint. Biosymph Ltd recommends a high pressure water wash before application.

**Application:**

ClimoPlate™ roof paint is easy to use and can be applied using conventional air-assisted spraying equipment, airless spray equipment, brush or roller. A suitable thinner should be used to a maximum of 5% when spraying. If required, we can provide a compatible spraying thinner.

**Clean up:**

Clean hands with plenty of soap and water to remove any ClimoPlate™. It is recommended to use disposable gloves during application.

**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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