



# AQUACLAD™

## **AquaClad™ AluMIN** Aluminium Silver Maintenance Epoxy Mastic Coating

### Features

- Premium high-grade epoxy mastic coating.
- High build aluminium pigmented coating.
- Used on metal roofs and bitumen flat roofs.
- Operational life of 5 years.
- 65% Solar Reflective Index.
- Dramatic reduction in internal air temperature.
- Excellent waterproofing and protection properties for coastal and inland projects.



## **AquaClad™ AluMIN Aluminium Silver Maintenance Epoxy Mastic Coating**

### **PRODUCT DESCRIPTION**

A single component, aluminium maintenance coating.

### **INTENDED USES**

A single pack aluminium paint with excellent flow and brilliance. Used as a decorative and protective reflective coating over metal roof, and bitumen-based surfaces to protect them against ultraviolet degradation.

AquaClad™ AluMIN is highly flexible with good elongation properties to bridge hairline cracks

### **CHARACTERISTICS**

- One component, solvent based, air drying, aluminium pigmented coating.
- Highly Reflective finish reduces temperature from UV.
- Provides protection against UV light, water, and moisture, both inland and coastal.
- Excellent flow & flexibility.
- Brilliant Aluminium/Silver finish - offers excellent durability & weather stability.
- Improved long term flexibility results in longer time before maintenance requirements and better resistance to cracking.

### **MAINTENANCE PLAN**

Your Titan Trade Co Com (PTY) Ltd Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.



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### PRODUCT INFORMATION

<b>Colour:</b>	Silver
<b>Finish:</b>	Sheen
<b>Density:</b>	1.6 kg / litre
<b>Volume Solids (approx.):</b>	90%
<b>Typical Film Thickness:</b>	200 µm wet per coat
<b>Theoretical Coverage:</b>	2.85 m <sup>2</sup> / litre at 200 µm WFT, on metal. 4.28m <sup>2</sup> / litre at 300 µm WFT, on bituminous surfaces.
<b>Method of Application:</b>	Brush, Roller and Spray.
<b>Number of Coats:</b>	1 Coat.
<b>VOC:</b>	231 gm / litre
<b>Viscosity (approx.):</b>	128 + / - 2K.U

### DRYING INFORMATION

	10°C	20°C	25°C	40°C	50°C
<b>Cure Time:</b>	-	24 hrs	-	-	-

### SURFACE PREPARATION

#### Galvanized Steel:

Rust must be abraded until it no longer exhibits flaking or chalking. Remove oil, grease & temporary protective coatings with Galvanized Iron Cleaner. No priming needed.

#### Bituminous surfaces and sheet waterproofing membranes:

Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.



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### APPLICATION

Mixing: This is a one component product and does not require a hardener. Agitate/stir the product well before use to ensure a homogeneous mix and no settlement of pigments. No thinners should be added to this product.

<b>Spray:</b>	Recommended. Tip Size - .039 - .049 Hose Type – High Pressure Pressure – 2500 PSI Flow Rate – 1.6 – 2.6 gpm 250 Micron Filters									
<b>Brush &amp; Roller:</b>	Recommended. Medium pile synthetic roller.									
<b>Cleaner:</b>	AquaClad™ Cleaner. For dry paint and equipment.									
<b>Work:</b>	Do not allow material to remain in spray equipment.									
<b>Stoppage:</b>	After use, thoroughly flush and clean all equipment with Universal Reducer.									
<b>Clean Up:</b>	Clean all equipment immediately after use with Universal Reducer. It is advisable to periodically flush out spraying equipment during the working day. Frequency of cleaning is dependent on upon the amount sprayed, temperature and elapsed time.									
<b>Environment:</b>										
	<table><thead><tr><th>Surface Temperature -</th><th>Ambient Temperature -</th><th>Relative Humidity</th></tr></thead><tbody><tr><td>Minimum: 10°C*</td><td>10°C</td><td>No limit</td></tr><tr><td>Maximum: 93°C*</td><td>38°C</td><td>95%</td></tr></tbody></table>	Surface Temperature -	Ambient Temperature -	Relative Humidity	Minimum: 10°C*	10°C	No limit	Maximum: 93°C*	38°C	95%
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Maximum: 93°C*	38°C	95%								
	<i>* Higher temperatures result in reduced sag resistance and faster cure.</i>									

**UNIT SIZE** 5 & 20 Litre.

### STORAGE

**Shelf Life:** 12 months minimum at 25°C  
Subject to inspection thereafter. Store in dry conditions out of direct sunlight away from source of heat or ignition.



## AquaClad™ AluMIN Aluminium Silver Maintenance Epoxy Mastic Coating

### PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

### LIMITATIONS

#### Roof Decks:

- Not recommended for use over the following: Cementitious wood fibre, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue, and groove, etc.).

#### Products/Systems:

- Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.
- Not for use under continuous immersion.

### IMPORTANT NOTE

Draft Specification for Titan Trade Co Com (PTY) Ltd 'AquaClad™ AluMIN'.

The purpose of this Draft Specification is to assist the Project Designer and Quantity Surveyor in producing their respective documentation for any project under consideration.

It is provided in good faith for use at the discretion of the respective consultant, to be amended and edited as required to suit the particular project requirements.

Titan Trade Co Com (PTY) Ltd is not privy to detailed contractual arrangements and documentation of an individual project and are therefore not in a position to co-ordinate related work by others. It is not the intention for this draft to relate to any particular project but to provide a guide to the more common items to be encountered in Titan Trade Co Com (PTY) Ltd Waterproofing Systems.

Whilst it is the Project Designer/Quantity Surveyors/Planning Supervisor's responsibility to produce their respective documents and we can assist them in their duties, we cannot accept responsibility for any errors or omissions which may occur in tender or contract documents or for compliance with the requirements of Health and Safety/Construction Design and Management Regulations which may be applicable.

Please check to ensure that any amendments to the standard draft, represents a true interpretation of the Project Designer's requirements.

#### Disclaimer

*Titan Trade Co Com (PTY) Ltd provides all information contained in this publication based on data available at the time and reserves the right to amend such information from time to time.*

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