TREMCO

Construction Products Group

AlphaGuard WB Primer

Single Component, Water-Based, Polymer Modified Primer

PRODUCT DESCRIPTION

AlphaGuard WB Primer is a single component water based, polymer modified primer used to penetrate and prime a variety of roofing substrates prior to the application of AlphaGuard BIO waterproofing system.

USAGE/PURPOSE

Used as the primer coating before the application of Tremco's AlphaGuard BIO waterproofing system, when applied over the following existing substrates:

- ❑ Bituminous Surfaces*
- ❑ EPDM*
- ❑ PVC*
- ❑ PVA*
- ❑ TPO*
- ❑ Hypalon*
- ❑ Existing Urethane Systems*

*(Test Patch Required)

FEATURES & BENEFITS

- ❑ Environmentally friendly.
- ❑ Water clean-up.
- ❑ Non-toxic.
- ❑ Diverse primer, used to promote adhesion of AlphaGuard BIO to a variety of existing substrates.

PACKAGING

18.9L Kit

COLOUR

Milky White

TYPICAL PHYSICAL PERFORMANCE		
PROPERTY	**TEST METHOD**	**TYPICAL VALUES**
Drying Time	ASTM D1640	4-6 hours
Density @ 25°C	ASTM D1475	0.94 g/cm^2

SHELF LIFE

12 months when stored as recommended in original unopened packaging.

STORAGE

Store in original, undamaged packaging in a clean, cool, dry and protected location Store the material in an area that will stay above 5°C.

LIMITATIONS

- ❑ Not to be used as an external trafficable coating.
- ❑ The surface temperature for product application should be between 10°C - 35°C. The curing process may cease at temperatures below 10°C. Where relative humidity is >85%, dry times may be affected.
- ❑ Do not apply when rain is imminent.
- ❑ Do not allow material to freeze.



SUBSTRATE PREPARATION FOR CONCRETE SURFACES

1. All concrete and masonry surfaces shall be dry prior to application of AlphaGuard WB Primer coating. The substrate is considered dry using a Tramex CME 4 moisture meter, and having a substrate moisture content less than 4.5%. Depending on concrete construction and job site location, additional concrete testing may be required. Pending environmental conditions, this moisture reading is usually achieved prior to 28 days.
2. Any contaminants or efflorescence should be removed prior to application.
3. All surfaces must be cleaned free of dirt, grease, oil, and or other surface contaminants.
4. All surface imperfections, non-structural cracks etc should be repaired with an appropriate repair mortar from Tremco's TREMcrete product range.

SUBSTRATE PREPARATION FOR EXISTING MEMBRANED SURFACES

1. Consult Tremco for project specific recommendations when applying the AlphaGuard BIO system over existing membraned surfaces.
2. Remove aggregate ballast or pavers to expose the existing membrane.
3. Physically abrade to remove any existing blisters, ridges, buckles and other substrate irregularities from the existing roofing membrane that would inhibit application of a uniform, waterproof coating.
4. Repair the existing membrane and/or substrate with the appropriate Tremco repair product to provide a sound and suitable substrate.
5. Clean the exposed substrate and existing, well adhered membrane free of contaminates that may inhibit adhesion of the AlphaGuard BIO system, such as: dirt, debris, oil, grease, other laitance. Use a pressure washer with minimum 2,000 psi water pressure.
6. Allow the substrate and existing membrane to dry thoroughly. Use of air compressors, leaf blowers, fans can be used to accelerate drying, provided they do not introduce dust or other debris that may be detrimental to membrane adhesion.

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USAGE

The following is a theoretical guide to estimate material usage. This does not account for material wastage on-site or reduced coverage due to substrate porosity/aggregate profile:

Table 1: Quick Reference Application Chart

SURFACE	COVERAGE RATE		THICKNESS	
Smooth Surfaces	$5m^2/L$	$95m^2/Kit$	0.2mm WFT	0.1mm DFT
Granular Surfaces	$2m^2/L$	$37.8m^2/Kit$	0.5mm WFT	0.25mm DFT

METHOD OF APPLICATION

- ❑ Prior to use, AlphaGuard WB primer should be mixed with a spiral paint mixing paddle at a rate of 500 rpm for a minimum of 2 minutes to ensure a homogenous mixture.
- ❑ Apply AlphaGuard WB primer at a rate of 2 – 5 m^2/L or 0.2 – 0.5 mm WFT to the entire area to be coated, including over all repair areas.
- ❑ If the primed area has been left exposed for longer than 24 hours, the area will need to be re-primed.

CLEAN UP

Wash all equipment in water or water/detergent immediately on completion of application.

SPECIFICATION CLAUSE

The waterproofing membrane system is specified as AlphaGuard BIO, 100% solids, waterproofing system, comprised of a two - component, low VOC, Polyurethane base coat, and two-component, low VOC, aliphatic Polyurethane top coat.

HEALTH & SAFETY PRECAUTIONS

The Safety Data Sheet (SDS) must be read and understood prior to use.

TECHNICAL SERVICE

Tremco CPG Australia Pty Ltd has a team of Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, call Customer Service on (02) 9638 2755 or fax (02) 9638 2955.

GUARANTEE/WARRANTY

TREMCO products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with TREMCO written instructions and (b) in any application recommended by TREMCO, but which is proved to be defective, will be replaced free of charge. Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.

CONTACT OUR TEAM

Tremco CPG Australia Pty Ltd
ABN: 25 000 024 064
Unit 12, 4 Southridge Street
Eastern Creek, NSW 2766

P: (02) 9638 2755
F: (02) 9638 2955
E: tremco@tremco.com.au