

Mineral Surfaced Bitumen Waterproofing Membrane

• DESCRIPTION

Bituplus G is a high performance roofing membrane, surfaced with reflective natural colour slates to give maximum protection against UV radiation. The presence of the slates provides protection against light foot traffic and occasional maintenance as well as offering an aesthetic surface. It is an ideal membrane for roofing applications where it can be placed on top of the existing surface, providing an economical and efficient solution to leaking roofs.

• USES

Bituplus G is used as waterproofing for exposed conditions such as roofs, terraces and balconies, patios, airport aprons and ramp areas.

• ADVANTAGES

- High resistance to positive water and vapour pressure.
- Good dimensional stability under tension.
- Good flexibility. Can accommodate structural movements.
- Resists water borne chemicals.
- High heat resistance.

• APPLICATION

Application procedure may vary slightly depending upon site conditions. Written below are some general guidelines.

Surface preparation

The surface where the membrane will be laid must be clean and dry. All surface imperfections and protrusions are to be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable repair mortar.

Priming

Apply **Polyprime SB** @ 4-6 m²/lt. as per ASTM D 41 to a clean smooth and dry surface by brush, roller or spray. Refer to primer data sheet for more details. Allow the primer to dry.

Alignment

Unroll and align **Bituplus G** rolls and re-roll correctly before torching. Overlaps should be a minimum of 100mm.

Torching

Use a gas burner to heat substrate and underside of **Bituplus G**. Embossing on the lower face of the membrane allows fast and safe laying. When embossing disappears after torching, the membrane is ready to stick. Roll forward and press firmly against the substrate to bond.

Caution: Do not over torch as this will expose the reinforcement in the membrane and cause damage to it.

Sealing

Heat both the overlaps and use a round tipped trowel to seal the overlap. Excess compound should be smoothed and pressed into the seam using a hot trowel.

Up stand

All angles and abutments should be sealed with extra care to ensure full bondage. Seal the edges well into the grooves and protect with **Polyseal PS** or any other mastic sealant.

• STANDARDS

Bituplus G membranes conform to the requirements of ASTM D 6164 Type I & Type II, UEAtc MOAT 31-1984, and tested in accordance with UEAtc MOAT 27-1983, ASTM D 5147

• STORAGE

Bituplus G membranes should be stored vertically in a clean covered area. Rolls should not be stacked on top of each other.

• **SAFETY PRECAUTIONS**

Any naked flame should be kept well away from the gas cylinders. When ignited the torch should be watched at all times. The torch should not be rested on finished roofing. Extreme care should be taken when working near combustible materials or items which might be scorched by the gas flame.

TECHNICAL DATA
Bituplus G

PROPERTIES	RESULT	TEST METHODS
Roll Size, m	1 x 10	-
Thickness, mm	4.0	-
Unit Weight, kg/m ² (plain)	5.0	UEAtc
Carrier (polyester) weight g/m ²	160	UEAtc
Coating Asphalt	Polymer modified asphalt	
Softening Point (R&B), °C	> 140	ASTM D 36
Penetration at 25°C, dmm	22 ± 4	ASTM D 5
Tensile Strength (L/T), N/5cm	550/450	UEAtc
Elongation at Break (L/T), %	35/40	UEAtc
Tear Resistance (L/T), N	160/180	UEAtc
Puncture Resistance	Static I ₄ Dynamic I ₄	UEAtc

In accordance to the standard 5-20% variation is expected.

Last revised May 2008



The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.
To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear.
Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor is responsible for procedures relating to the application of the product.

Distributed by



A Division of River Sands Pty Ltd

683 Beenleigh-Redland Bay Rd, Carbrook, Qld 4130 > Ph (07) 3287 6444 > Fax (07) 3287 6445
 Sydney > Ph (02) 9677 1056 > Fax (02) 9677 1352
 Melbourne > Ph (03) 9311 9225 > Fax (03) 9311 9445
 Perth > Ph 0423 023 164
 Toll Free > 1800 077 744 > Email acs@riversands.com.au > www.appliedconcretesolutions.com.au