



2018/19

Waterproofing Membranes



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amimembraneindustries.com.au



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AMI Membranes

The AMI range of membranes were developed in conjunction with waterproofing applicators. AMI wet area membranes are tested to Australian Standard (AS4858) and perform in the top level of wet area membrane available in Australia.

The AMI range covers wet area waterproofing (AS3740) as well as exterior (AS 4654.1 and AS 4654.2) and roof membrane application.

Warranty

WET AREAS

AMI wet area CSIRO certified membranes are guarantee for 15 years subject to application in accordance with AS3740 and AMI's technical data sheet.

EXTERNAL

AMI external membrane warranty varies on the type of membrane used and site. All external membranes are initially guaranteed for 8 years. This can be extended a further 8 years with a light UV top coat application.

20 and 25 year warranty is available for AMI's unique silicone membranes and silicone membrane systems.

GENERAL MEMBRANES

Contact AMI

AMI's range of CSIRO AS4858 tested membranes.

	Flowthane	Ultra Flex	Ultra Flex 50	PU115V	P96
CSIRO Test Number AS4858	3062-1	4522	5541	6028-4e	4080
Membrane Type	Latex/SBR	Acrylic/ Urethane blend	Acrylic/ Urethane blend	Polyurethane	Latex/SBR
Maximum Strain	770%	662%	963%	910%	242%
Water Immersion	1151%	1247%	1472%	1220%	530%
Bleach Immersion	919%	1447%	1391%	1244%	427%
Detergent Immersion	967%	1062%	1628%	1094%	195%
Heat Ageing	685%	457%	599%	1144%	147%
Drying Time - 25 C	1-2 hrs	1-2 hrs	1-2 hrs	6 - 8 hours	1-2 hrs
Reinforced when tested	no	no	no	no	yes
Class	III	III	III	III	II

Wet Area Membranes

(Extensive technical and data sheets are available from AMI; the catalogue shows an overview of our range).

FLOWTHANE 500LM

Flowthane is a certified Class III - high extensibility SBR membrane (CSIRO tested). Flowthane has been in commercial production since 2002.

Flowthane is non-UV resistant, rubberized, water-based, fast drying waterproof membrane available in a variety of colours.

Priming System: GP Primer – Sealpoxy

Available in blue and dark grey. In 15 litre and 5 litre pails.



FLOWTHANE FAST CURE

A special version of Flowthane that cures up to 60% faster than the standard product. Excellent for below ground and cold environment application.

Fast Cure

How Flowthane compares against our competition

Elongation	Fowthane 500LM	Duram Durabit EF	Davco K10 Plus	ASA Dampfix Gold
Control	770%	589%	563%	636%
Water Immersion	1151%	905%	917%	1655%
Bleach Immersion	919%	592%	882%	564%
Detergent Immersion	967%	868%	655%	1354%
Heat Ageing	685%	517%	509%	391%
Drying Time at 20C	1-2 Hours	4-6 Hours	6-8 Hours	4-6 Hours
Class	III	III	III	III

AQUATHANE XR

SBR membrane which is a Class III certified wet area membrane. Aquathane XR is fast drying and will not emulsify once it has dried (as opposed to cured). The product comes in blue /black colour and exhibits similar characteristics as Flowthane. Not UV resistant.

Priming System: GP Primer – Sealpoxy

Available in 15 litre pails.



ULTRA FLEX

Ultra Flex is a polyurethane blend membrane with CSIRO tested (4522) certification of Class III. Ultra Flex is UV resistant. Ultra Flex is a unique membrane which can be used in wet areas as a certified wet area membrane and externally, as a UV resistant membrane which is also suitable as a roof membrane.

Ultra Flex is available in light and dark grey with or without reinforcement.

Priming System: GP Primer (wet areas) – Sealpoxy - Hydrostatic Epoxy (for all roof applications).

Priming System: GP Primer – Sealpoxy

Available in 5 litre and 15 litre pails.



HYPER FLEX

Hyper Flex is a waterbased urethane membrane of exceptional quality which exceeds the performance of Ultra Flex. The product is both internal and external capable and is available in light grey.



ULTRA FLEX FAST CURE

A special fast cure version of Ultra Flex that cures up to 60% faster than the standard product. Excellent for below ground and cold regions where waterbased membranes struggle to dry.

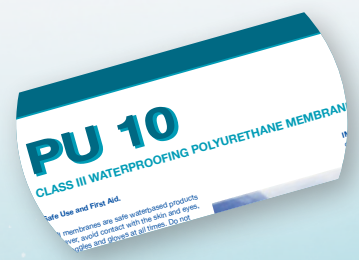
Fast Cure

PU10

Polyurethane/acrylic blend membrane which shows excellent application characteristics. The membrane is CSIRO certified as a Class III membrane. It is UV resistant and can also be used externally (covered or uncovered), or as a roof membrane.

Priming System: GP Primer – Sealpoxy

Available in 15 litre pails (blue).



AMI TRADE

AMI Trade is an acrylic resin blend wet area membrane which also has moderate UV resistance. The product is designed for tradesmen as an easy to apply, fast drying inexpensive membrane. AMI Trade conforms to AS4858.

Priming System: GP Primer – Sealpoxy

Available in dark grey in 15 litre pails.



P-96

P96 is an inexpensive Class II reinforced CSIRO certified membrane which is suitable for wet area waterproofing as well as retaining walls (black). The membrane is SBR based, non UV and extremely fast drying. P96 will not bleach colour when used on retaining walls. The membrane is available in Black, Green and Grey colours.

Priming System: GP Primer – Sealpoxy - Hydrostatic Epoxy.

Available in 5 litre and 15 litre pails.



AMI AC SUPAFAST

AMI SupaFast is a wet area membrane that conforms to AS4858 and is also UV resistant. and can be applied externally without the need of a covering top coat. The product is fast drying and designed for one coat application on shower walls.

The product offers significant economical advantages over other membranes.

Priming System: GP Primer – Sealpoxy

Available in 15 litre pails, grey colour.



AMI AC10 SUPAFAST

AMI AC10 SupaFast is a polyurethane modified AC SupaFast. The additional urethane additive upgrades the membrane significantly and renders the product stronger and more resilient. The membrane can be used externally without a covering top coat. AMI AC10 SupaFast is fast drying and economical to use and covers walls in one coat.

Priming System: GP Primer – Sealpoxy

Available in 15 litre pails, grey colour.



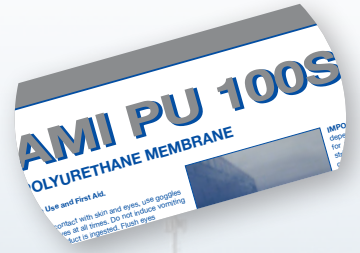
Polyurethane Membrane

AMI PU 100S

Self levelling polyurethane membrane which is CSIRO certified as a Class III membrane. AMI PU 100 is not UV resistant. The product is a single pack moisture curing urethane membrane which when cured forms a strong pliable membrane.

Priming System: GP Primer – Sealpoxy

Available in grey. 15 Litre metal pails



AMI PU115V

Polyurethane single pack moisture curing membrane (Vertical), which is designed not to sag when applied on (vertical) walls. The product is CSIRO certified as a Class III membrane. AMI PU115V is not UV resistant.

Priming System: SB Primer – Hydrostatic Epoxy.

Available in grey. 15 Litre metal pails



Roof & External Membranes

ULTRA FLEX TRAFFIC

Ultra Flex Traffic is a high quality waterbased external UV resistant membrane that is lightly pedestrian trafficable in standard form. Ultra Flex Traffic is unique in that it is cost and performance effective when compared to solvent based polyurethanes. The product needs protective top coat if furniture is to be placed on membrane. Coupled with a range of aggregates, Ultra Flex Traffic can be over coated with AMI's two pack urethanes and dressed in a range of aggregates to provide a very strong and attractive surface. All AMI top coats extend the warranty and longevity of the membrane.

Priming System: Sealpoxy – Hydrostatic Epoxy.

Available in 5 litre and 15 litre pails, light grey



ULTRA FLEX TOP COAT

Top coat designed to overcoat Ultra Flex Traffic in situations where furniture will be situated on the membrane and where the membrane will be subjected to significant traffic. The top enables Ultra Flex Traffic to handle heavy traffic and furniture lodgement on the membrane without damage. The top coat is recommended where the membrane will be subject to heavy pedestrian traffic.



ULTRA FLEX 50 / 75

Ultra Flex 50 / 75 are aliphatic waterbased urethane membranes of unparalleled performance and trafficable applications. These special membranes are made to order and are used in areas where superior performance from the membrane is required due to adverse environmental conditions. For further information, contact AMI.

Priming system will be determined by the application.

Available in 15 litre pails only.



AMI ULTRA FLEX ACRYLIC PLUS

AMI Ultra Flex Acrylic Plus is an acrylic roof membrane. The product is UV resistant and incorporates inhibitor chemicals to stop fungal growth. Ultra Flex Acrylic Plus can be used as the first coat in Heat Block applications thereby reducing application costs significantly. The product can be tinted as required and applied as a waterproofing and cosmetic upgrade of any roof. Ultra Flex Acrylic Plus, with or without fibres is available in a light grey in 15 litre pails.

Priming System: Sealpoxy

Available in 15 Litre pails.



HEAT BLOCK

Heat Block is a high build elastomeric UV resistant heat re-radiating membrane which incorporates additives which provide remarkable insulation properties, with tested reports during excessive temperature periods of internal temperature being lowered by 8 - 10 degrees C.

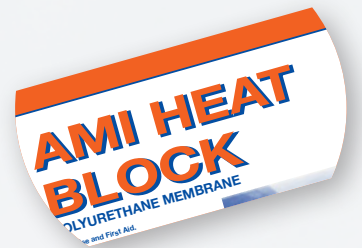
Heat Block also retards fires and stops fire damage as the product re-radiates the heat. There are examples of Heat Block painted sheds which suffered bush fire events, which were left untouched by the fire. The product has not yet been tested in this area.

Heat Block has excellent flexibility and bridging capability. The matt finish alleviates glare. For a smooth finish, if required, a sealer coat is available from AMI. Heat Block can be tinted within a narrow range of light colours.

The advantages of Heat Block are significant, from reducing running costs of air conditioning systems through a significant reduction in internal building heat. The product stops roof heat banks from developing by stopping heat transfer through the roof into the building.

Priming System – Sealpoxy – Hydrostatic Epoxy.

Available in 15 litre pails.



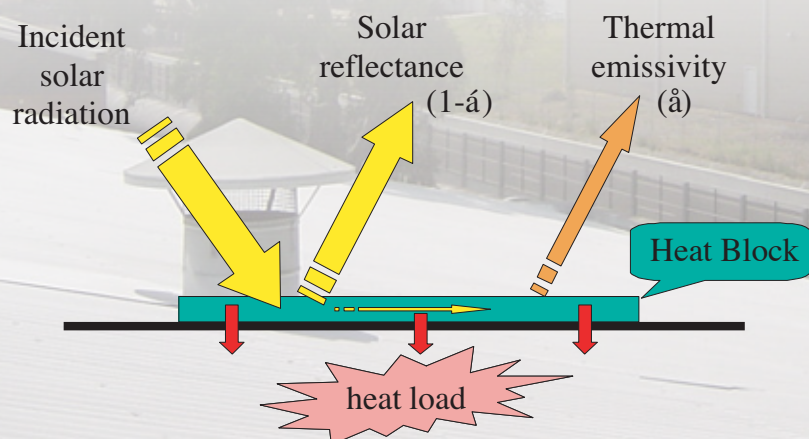
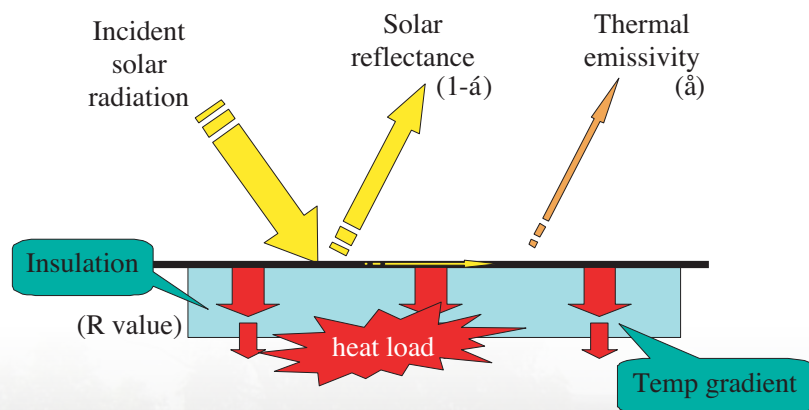
HOW DOES HEAT BLOCK WORK?

The easiest way to explain this is to say that Heat Block works exactly opposite to the way the black coating now used as a selective surface on solar water heater panels (chrome black) works. Chrome black absorbs 95% of the sun's shorter wavelength radiant energy, and limits emission to only 9% of the longer infrared wavelength energy from the collector surface. Hence, very little of the heat that is gained is then lost through emissivity. Because of this selectivity, the chrome black surface may get hotter than the air temperature by 100 degrees Celsius or more.

By contrast, the Heat Block product absorbs only 15% of the sun's heat and is especially good at re-emitting most of this absorbed energy away from the treated surface (over 95%). The end result is that the exterior surface only gets to about 5 degrees Celsius hotter than the ambient air temperature. This compares with an untreated exterior surface that gets 10 – 20 degrees Celsius hotter.



HOW DOES HEAT BLOCK WORK?



Special Roof Membranes

S400

S400 is a unique silicone membrane roof membrane which is not affected by UV or pooling water. It is suitable for flat roof repairs and offers a very long warranty (20 – 25 years) if undertaken under direction of AMI. S400 is also used to refurbish old and damaged torch on membrane rendering the application with a long term warranty.

Priming System: Hydrostatic Epoxy

Colour – light grey

Available in 15 litre pails.

Contact AMI for more details.



S420 THERMAL

Thermal stopping membrane designed to be applied under the S400 membrane and over Ultra Flex to provide exceptional thermal blocking under the S400 Silicone membrane as a system that offers unsurpassed warranty options. The product is trowel applied.

Available in 15 litre pails, light grey.

Contact AMI for more details.



AMI S400 Roofing System

1. HydroStatic Epoxy
2. Ultra Flex (Water based polyurethane)
3. S420 Thermal Block Membrane
4. S400 Silicone Membrane

= 20/25 year warranty



FROM THIS

TO THIS



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Planter Boxes & Retaining Walls

AMI BLACK FLEX 200

Latex/bitumen membrane specifically designed for waterproofing planter boxes and retaining walls. The product does not need priming and is applied in two coats to achieve the desired result.

The product does not require priming.

Available in 15 litre pails.



P96 BLACK

The ceramic content of this membrane makes it suitable for application in adverse areas such as planter boxes and retaining walls. P96 is very strong and was certified as a Class II membrane with reinforcement fibre.

Priming System: GP Primer – Sealpoxy



Special Membranes

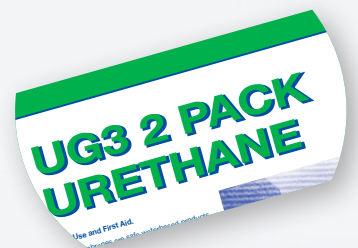
TWO PACK MEMBRANE

AMI UG3 is a two pack, 100% solids, industrial strength (polyurethane) semi rigid (fast cure) membrane designed for bridge decks, ramps, multi-level car parks, roof tops and any area requiring an industrial strength, fast cure two pack membrane. The product can be applied in any thickness, in one application and cures to a trafficable state within 4 hours or can be top coated with a topping such as asphalt thereby markedly reducing downtime and allowing critical areas such as bridge decks to be opened sooner. This system can also be used in conjunction with a wide range of abrasive aggregates of various sizes depending upon the type of traffic anticipated, thereby rendering the membrane a trafficable system for vehicle and heavy industrial traffic.

Priming System: Hydrostatic Epoxy only.

Available as a 15kg kit (10kgs part A and 5 kgs Part B)

Colour neutral.



Top Coat Sealer

AMI TOP COAT SEALER AND NON-SLIP

Water based urethane top coat sealer for coatings and membranes such as Ultra Flex Traffic. The product can be manufactured with non-slip capability to render trafficable areas safe to walk on in most conditions. The product is UV resistant.

AMI top coat applications extend membrane warranties by 8 years after the initial application warranty has expired.

Available in 15 litre pails, light grey standard.



AMI Primers

GP PRIMER

SBR based single pack fast drying primer for wet areas only. Suitable for all AMI wet area membranes.

Available in 15 Litre and 5 Litre pails.



SB PRIMER

Single pack, low solids solvent based primer for higher substrate penetration generally but specifically designed for the wet area polyurethane membranes (PU100 and 115V).

Available in 15 Litre pails.



GPS

Concentrated SBR priming liquid suitable for priming and waterproofing screeds in various dilutions which are provided by AMI. This product can also be used to construct vehicle trafficable substrate 30 – 50mm as a trafficable screed.

Available in 15 Litre pails.



SCREED BLOCK

A latex mixture used to waterproof sand / cement screeds. Once a screed is contaminated with water, it's almost impossible to dry. Good practice is to waterproof the screed as it is being laid.

Available in 15 litre pails.



Waterbased Epoxy

HYDROSTATIC EPOXY

High quality, high build hydrostatic epoxy designed to be used in areas where hydrostatic capability is required (below ground, retaining walls etc.). The product can be used as a primer/sealer in circumstances where lino needs to be laid over moisture free substrate.

20 litre kit (light grey)

10 litre kit

4 litre kit

2 litre kit

1 litre kit



SEALPOXY

Epoxy Specifically designed for priming non-wet areas. Sealpoxy should be used as a primer if the area is to be tiled. The product is cost effective and necessary for all priming associated with non-wet area tiling and any wide expanse where tiling will be undertaken. Take the doubt out of any application, use Sealpoxy.

20 litre kit



Non-Slip Coating

ULTRA TUFF NON-SLIP

Waterbased non-slip coating with 700-micron rubber aggregate. The product has been in production for over 20 years. Easy to apply and soft under foot. The rubber aggregate will not cause abrasion if anyone falls on the coating. The product is supplied in 15 litre pails and 5 litre pails.

Priming System: Hydrostatic Epoxy

Available in 15 and 5 litre pails



Sealants

AMI offers three types of sealants, two solvent based and a neutral sealant.

AMI SEAL 50 (600ML)

One component, moisture-cured polyurethane based sealant. After curing, it provides a permanent elastic bond to seal and fasten materials with different coefficient of expansion.

The product has low odour and is non-corrosive.



AMI SEAL FF550 (600ML)

Solvent based one component moisture curing low modulus polyurethane sealant with excellent joint movement capability. It cures to a flexible, durable and weather resistant sealant and exhibits excellent adhesion to a wide range of substrates.



AMI SEAL FF625 (600ML)

High performance, one component hybrid moisture curing construction sealant.

The product cures to form a seal that is tough, elastic and weatherproof with good chemical characteristics. FF625 is a low modulus product that is suited for situations that may experience significant expansion and contraction. Easy to apply and tool off.





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