

▶ Description



TamSeal WAM is the latest generation membrane designed for waterproofing a range of vertical and horizontal surfaces in a ready-built condition. TamSeal WAM is a water based modified polyurethane. It demonstrates durable and elastomeric properties, specifically designed to provide a seamless seal on building substrates and surfaces before tile or other suitable finishes / toppings are applied over or if left exposed to the weather. TamSeal WAM has been pigmented to make the product highly visible on building sites in order to help minimize damage by other trades.

▶ Key Benefits

- Complies with AS4858:2004 as a Class III Elastomeric Waterproofing Membrane
- Water based
- Elastomeric and flexible
- Blue or grey in colour
- High build
- Tough and durable
- Does not require any reinforcing

▶ Typical Applications

TamSeal WAM is suitable for use in commercial, residential and industrial applications.

Waterproofing Applications include: internal wet areas, decks, podiums, balconies, terrace floors and under tiles. It is also suitable for areas that will be finished over with ceramic tiles or other trafficable toppings and finishes as well as an exposed light foot traffic membrane.

Substrates suitable for bonding TamSeal WAM over include: concrete, render/mortar, masonry, fibre cement sheeting, plasterboard, wet area timber sheeting, clay, concrete blocks/bricks and treated metals (not raw steel).

▶ Technical Data

TamSeal WAM	
Appearance	Blue or grey paste
Re-coat Time	4 - 6 hours @ 20°C
Full Cure	3 days
Dry Time	Approx. 12 hours
Tensile strength (AS1145-1989)	5.0N/mm <sup>2</sup>
Elongation (AS1145-1989)	> 350%
Wet Area Material Standard AS4858 as per AS3740:2004	Class III
Clean Up	Water
Density	1.25

All technical data stated herein is based on tests carried out under laboratory conditions.

▶ Application Guidelines

**Surface Preparation**

All substrates must be structurally sound, dry, thoroughly clean and free of oil, grease, all foreign particles and sharp protruding surfaces. Application surfaces should have been primed with a suitable compound.

Priming is to be performed using TamCrete Bond & Seal diluted 1:1 with water. To highly porous substrates the primer should be applied in multiple coats or alternatively use a non-diluted TamCrete Bond & Seal. Diluted TamCrete Bond & Seal achieves a minimum coverage of 5m<sup>2</sup>/ltr and up to 10m<sup>2</sup>/ltr when diluted. Allow the primer to dry before application, typically it will take 5 - 10 minutes to dry, depending on weather conditions.

Ideal for use at wall/floor and wall/wall junctions, over cracks (not in excess of 2mm), substrate abutments, enhancing seals around penetrations and pipes.

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### Coverage

For the application of the liquid membrane, the recommended minimum dry film thickness is 0.75mm. Ideally it should be 1mm thick, achieved in 2 coats. As a guide, approximately 1.5ltr/m<sup>2</sup> in 2 coats will achieve a total dry film thickness of 1mm.

### Application

The product should be applied in accordance with AS3740:2004 Waterproofing Residential Wet Areas. Ensure substrates have been suitably prepared. If a bond breaker is required, form by applying a neutral cure silicone/polyurethane and tool to a 15mm radius to corners. Apply subsequent coats at different directions to the previous coat. Coverage is dependent upon surface condition, as an uneven surface will require greater coverage to achieve the specified film thickness. Different application methods can be used (e.g. roller (medium/long nap), brush (long bristle) or airless spray unit).

Drying time will vary according to temperature, humidity, surface porosity and application thickness. Re-coat time is 4 - 6 hours. Allow the membrane to be left undisturbed for at least 24 hours once completed. Check for any pin holes or damage to the membrane prior to tiling or completing works.

Tiling and surface toppings can be applied once the TamSeal WAM membrane is dry. Pre-bagged tile adhesive is to be used when fixing tiles over TamSeal WAM. If applying a render, screed or concrete topping, it is recommended to incorporate TamCrete Bond & Seal in the mix or use TamCrete 40HB. If in any doubt over compatibility, perform a site trial to ensure suitable adhesion and product compatibility.

Refer to drying details before applying tiles or toppings. For balconies, decks and external areas, it is advised once the membrane is dry, tiles/pavers etc, should be applied within 3 days, avoiding lengthy periods of exposure to UV light and mechanical damage. All tiling is to be carried out to the relevant tiling standards and building regulations in force at the time of construction.

### Limitations

- Do not use on substrates that are not dry or when rain is imminent.
- Do not use where the surface temperature is below 5°C or above 40°C.
- Do not use in areas subject to rising damp or negative hydrostatic pressure.
- TamSeal WAM is not designed to be left exposed to heavy foot traffic or vehicular traffic.
- Not designed as a joint sealant for expansion, control or structural joints.
- Do not apply solvent based adhesives over the cured membrane.
- Not designed for permanent immersion such as a swimming pool or spa.
- Technical enquiries regarding application, surface preparation or suitability should be forwarded to your local TAM International representative.

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### ▶ Storage

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TamSeal WAM. should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

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### ▶ Health & Safety

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TamSeal WAM should only be used as directed. We always recommend that the Health & Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Health & Safety data sheet is available upon request from your local TAM International representative.