

▶ Description



TamSeal IM is a high performance, elastomeric liquid rubber membrane specifically designed for waterproofing a range of vertical and horizontal surfaces. TamSeal IM is a water based compound, formulated on a styrene-butadiene co-polymer. TamSeal IM demonstrates durable and elastomeric characteristics, providing a seamless waterproof coating on building substrates and surfaces before other suitable finishes or toppings are applied. Once cured, TamSeal IM withstands ponding water and can be applied in continuously immersed areas forming a seamless waterproof membrane.

The standard cured colour is black.

▶ Key Benefits

- Water based
- Elastomeric and flexible
- Can be applied in continuously immersed areas
- Resistant to fungi and algae growth
- Tough and durable
- Environmentally friendly water based product. No solvents and no VOC's.

▶ Typical Applications

Waterproofing applications include: wet areas, podiums decks, balconies, terrace floors and similar areas that will be finished over with a trafficable topping or other suitable finish. TamSeal IM can also be applied in fully immersed areas such as water features, fish ponds, fountains etc.

Substrates include: concrete, cement render and mortar, stone, masonry brick, cement sheeting, plasterboard, wet area timber sheeting, concrete and clay blocks/bricks, treated metals.

▶ Technical Data

TamSeal IM	
Appearance	Black viscous liquid
Density	1.12
Total solids	56 %
Viscosity at 20rpm	15,000 – 19,000cps
Shore A hardness (ASTM D2240-97)	55
Elongation (ASTM D412:98)	> 300%
Tensile strength (ASTM D412:98)	> 2.0N/mm ²
Water absorption	< 1.8%
Water vapour transmission	6.7g/24h/m ²
Movement cyclic test (CSIRO)	Passed

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. Substrate surfaces should be dampened or should have been primed with a diluted TamSeal IM compound. Surface preparation plays a critical role in the overall success of the final application.

Application

Reinforcement can be provided using fibreglass reinforced mat which is embedded between each coat of the TamSeal IM membrane. When applying the fibreglass reinforcing mat, ensure the mat is applied into a wet coat of TamSeal IM membrane. Once applied, the mat should be over covered with subsequent coats of TamSeal IM until the reinforcement mat is no longer visible. The fibreglass mat will provide reinforcement to joint and crack locations, protecting against membrane rupture.

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

Apply all subsequent coats in the opposite direction to the previous coat. TamSeal IM can be applied using a medium to long nap roller, long bristle brush or using a suitable spray unit. Drying time will vary depending on ambient temperature, relative humidity and substrate surface porosity. The tack free time for the first coat is approximately 30 - 60 minutes. The second coat can be applied typically 2 - 3 hours after the first coat has tacked off.

Surface Toppings can be applied once the TamSeal IM membrane is completely cured. When applying tiles over the cured TamSeal IM, pre-bagged tile adhesive must be used. If applying a render, screed or concrete topping, it is recommended to incorporate into the mix TamCrete Bond & Seal or TamCrete 46 SBR. All tiling shall be carried out to the relevant tiling standards and building codes.

For balconies, decks and external areas, it is advised that tiles or pavers etc should be applied as soon as the membrane has cured or within 3 days from the membrane application date. This will avoid lengthy periods of exposure to UV light and possible mechanical damage.

▶ Coverage

For liquid rubber membrane: It is recommended to apply a minimum of 0.5 litres/m² and a maximum of 1 litres/m² per coat in two applications, providing a minimum total wet film thickness of 1.5 litres/m² and a minimum overall dry film thickness of 1.2mm. Coverage is dependent upon surface condition and will vary as uneven surfaces will require greater application rates to achieve the recommended/specified dry film thickness.

Cleaning

Thoroughly clean all tools and equipment with water after use.

Limitations

- Do not use on substrates that are not dry or when inclement weather is imminent.
- Do not use where the substrate surface temperature is below 10°C or above 35°C.
- Do not use in areas subject to rising damp or negative hydrostatic pressure.
- TamSeal IM is not designed to be left exposed or subjected to regular foot traffic.
- Not designed as a sealant for movement, control or structural joints.
- Do not apply solvent based adhesives over the cured membrane.
- Technical enquiries regarding application, surface preparation or suitability should be forwarded to your local TAM International representative.

▶ Storage

TamSeal IM 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.

▶ Health & Safety

TamSeal IM 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.