

DESCRIPTION



TamSeal RC is a flexible elastomeric liquid applied membrane specifically designed to waterproof a variety of external and exposed surfaces. Enhanced UV resistant properties create a product that can be used as a weatherproof membrane with flexibility and durability. TamSeal RC offers long-term protection against varying climate conditions for external substrates. Suitable for use over horizontal and vertical surfaces, TamSeal RC resists fungi and algae growth and prevents salt and carbon attack to the substrate.

KEY BENEFITS

- > Singapore Environmental Council approved for Green label mark
- > Water based - TamSeal RC is non-flammable, contains no toxins or dangerous odours and is free of solvents and hazardous materials. The coating is environmentally safe and spillages can be cleaned with water whilst still wet.
- > Elastomeric and flexible - The elastomeric ability of this membrane is one of the primary advantages offered. Flexible properties enable this product to accommodate normal substrate surface movement on surfaces prone to movement, vibration or flexing without rupturing the waterproof integrity of the membrane.
- > Waterproof and UV resistant - When applied to the correct thickness, the cured membrane exhibits excellent long-term resistance to UV light and climate exposure, providing a durable weatherproof membrane for continuously exposed substrates.
- > Resistant to fungi and algae growth - TamSeal RC resists the growth of fungi and algae preventing organic staining and subsequent removal maintenance costs.
- > Resistant to salt and carbon attack - TamSeal RC cured membrane will resist deterioration from salt and carbon attack. The membrane is therefore ideal for facades and other exposed surfaces subject to aggressive conditions.
- > Tough and durable - TamSeal RC forms a tough and durable membrane providing long-term protection to

the substrate. Once cured, the membrane can withstand light foot traffic.

- > Colour tinted - As an exposed membrane, this product can be colour tinted to suit surrounding decorative structures in a wide variety of colours. The standard colours are white and light grey.

TYPICAL APPLICATIONS

- > TamSeal RC is suitable for use in commercial, residential and industrial applications
- > Roofs(new & existing) and external floors
- > Podiums decks
- > Gutters and Parapet walls
- > Vertical walls & facades
- > Silo and general weather exposed surfaces

Substrates suitable for TamSeal RC include: concrete, masonry brick, cement renders, asphalt, fibre reinforced cement sheet, plasterboard, wet area timber sheeting, clay and concrete blocks/bricks, treated metals and other TamSeal membranes/products. When using over existing paints and membranes, contact Normet Technical Department for advice on surface preparation and suitability.

TECHNICAL DATA

TamSeal RC	
Appearance	Viscous liquid
Density	1.15
Shore A hardness (ASTM D2240-97)	55
Elongation (ASTM D412: 1998a)	> 450%
Tensile strength (ASTM D412: 1998a)	> 1.8 MPa
Adhesion to substrate (ASTM 4541: 1995)	0.75 MPa
Crack bridging (ASTM C836: 1995)	No cracks
UV Exposure: 1000hrs (ASTM G 154: 2000a)	No disintegration, blisters, cracks, crazing, swelling or peeling observed.
Bend test (SS 5 Part F1: 2003)	No cracking or detachment from substrate

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

APPLICATION GUIDELINES

Surface Preparation

All substrates must be dry, structurally sound and thoroughly cleaned and free from oil grease, release agents, loose material and sharp protruding surfaces. All substrates must be constructed to the relevant building standards and manufacturer's recommendations at the time of membrane application.

When using over asphalt or bitumen surfaces, dilute TamCrete Bond & Seal with 1 part water and apply as a primer. On metal surfaces a metal primer is recommended. Voids and gaps are to be filled with mortar incorporating a polyurethane sealant.

Application Method

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

Ideal for use: at wall / floor and wall/ floor junctions, substrate abutments, over cracks (less than 2mm), at joints prone to bending and vibrating (not including expansion or control joints).

Note: At junctions or substrate abutments, polyurethane sealant is to be used as a bond breaker fillet (3 - 6 mm) before the application of a suitable reinforcing fabric.

TamSeal RC can be applied using a medium to long nap roller, long bristle brush or using a suitable spray unit. Apply all subsequent coats in the opposite direction to the previous coat.

Drying time will vary depending on ambient temperature, relative humidity, substrate surface porosity and thickness of coat. The tack free time for the first coat is approximately 30 minutes. The second coat can be applied typically 2 - 3 hours after the first coat has tacked off. Overall drying time is 24 hours in normal ambient temperature of 28°C.

Cleaning

Thoroughly clean all tools and equipment with water after use.

Coverage

A minimum of two coats should be applied and it is recommended to apply a total minimum of 1.0 litre/m². When applying to facades the specified coverage is a total minimum of 0.8 - 1.0 litres/m² is recommended. Each coat should be applied applied at different directions to the

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previous coat. 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. Different application methods can be used, e.g. roller (medium / long nap), brush (long bristle) or spray unit.

Limitations

- > Do not apply to areas subject to heavy foot or vehicle traffic.
- > Do not use on substrates that are not dry or when inclement weather is imminent.
- > Roofs and floor surfaces should have adequate falls before coating with TamSeal RC.
- > Not to be applied over glass or glazed surfaces.
- > Not designed as a sealant for expansion joints.
- > Contact your local Normet representative before applying over existing coatings, membranes etc. for surface preparation details.
- > Do not apply solvent-based adhesives over the cured membrane.

PACKAGING

TamSeal RC is supplied in 20 litre pail. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamSeal RC 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 one year can be expected.

HEALTH & SAFETY

TamSeal RC should only be used as directed. We always recommend that the Safety Data Sheet (SDS) 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 Normet representative.

YOUR LOCAL CONTACT DETAILS

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