

Liquid-applied PU Waterproofing Membrane

DESCRIPTION

TamSeal 25 is a single-component polyurethane membrane used for long-lasting waterproofing. TamSeal 25 is a liquid-applied, highly elastic, cold applied and cold curing. It cures by reaction with ground and air moisture. Offering long-term protection to substrates against climate conditions. It is suitable for use over horizontal and vertical surfaces.

KEY BENEFITS

- > Simple application (roller or airless spray)
- > When applied forms seamless membrane without joints or leak possibilities
- > Maintains its mechanical properties over a temperature span of -30°C to +90°C
- > Crack-bridging up to 2 mm
- > Provides water vapour permeability
- > Full surface adherence without any additional anchoring

TYPICAL APPLICATIONS

- > Waterproofing of Rooftops
- > Waterproofing of Wet Areas (under-tile) in Bathrooms, Balconies, Kitchens, etc.
- > Waterproofing of Flowerbeds and Planter Boxes

TECHNICAL DATA

TamSeal 25		
Property	Results	Test Method
Composition	Polyurethane high-solids pre-polymer	-
Colour	White / Grey / Black	-
Elongation at Break	> 450 %	ASTM D 412
Tensile Strength	20 kgf/cm ²	ASTM D 412
Tear Strength	> 10 kg/cm	ASTM D 412
Hardness (Shore A)	40 ± 5	ASTM D 2240
Application Temperature	5°C to 38°C	Conditions: 25°C, 60% RH
Tack Free Time	> 3 hours	
Light Trafficking	> 24 hours	
Final Curing time	7 days	

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

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

APPLICATION GUIDELINES

Surface Preparation

- > Concrete surfaces to receive TamSeal 25 shall be free from dust, oil and other contaminants. It shall be clean, sound, dry and relatively trowelled smooth finish.
- > All structural cracks shall be repaired with TamRez Epoxy Resin. Honeycomb to be treated with TamCrete repair mortar.
- > Substrates shall be pitched to drains.
- > Pre-stripping is required by trowel or by brush a day before applying final membrane if there are cracks, openings, any joints or any minor undulations in the concrete, it must be sealed.

Application Method

- > TamSeal 25 can be applied with brush or roller to a maximum thickness of 1 mm per coat. TamSeal 25 can also be directly poured from the pail, trowelled and applied, which saves time and labour, without mixing and no thinning is required.
- > Shrinkage cracks shall be pre-treated with TamSeal 25 extending 50 mm either side of crack for lapping. Structural joints shall be lapped at 100 mm at both sides.
- > Application around (pipe) penetration, apply in two applications of 1.5 mm of TamSeal 25 and when this set, apply full membrane system.
- > Toulene and xylene may be used as solvent for TamSeal 25 to form a priming coat over porous surfaces followed by application of 2 coats of TamSeal 25.
- > Should a flood test is to be conducted; membrane must be cured (24 hours minimum) before flooding. Flood the entire area with water to a minimum depth of 25 - 50 mm and allowing the water to stand for at least 24 hours.

Curing

- > Lower temperature and/or humidity may affect the curing time of the membrane.
- > Avoid tempering during curing.
- > When fully cured, a seamless film of membrane is formed and bond to the surfaces applied.

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Precautions

- > Do not use on substrates that are not dry or when rain is imminent.
- > Do not use in areas subject to rising damp or negative hydrostatic pressure.
- > Not designed as a sealant for expansion, control or structural joints. For that TamSeal sealants should be used.
- > Technical enquiries regarding application, surface preparation or suitability should be forwarded to your local Normet representatives.

Coverage

Approximately 1.5 kg/m² when applied at DFT thickness of 1 mm can be achieved. Coverage may vary with the substrate condition (texture and porosity of the substrate). Recommended DFT 2mm.

Repairs

Minor damage to TamSeal 25 can be repaired by removing loose membrane and cleaning the surrounding area. Overlap TamSeal 25 by 150 mm in two coats.

PACKAGING

TamSeal 25 is supplied in 5 US gallon pail. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamSeal 25 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 up to 10 months can be expected.

HEALTH & SAFETY

TamSeal 25 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.