

Liquid Applied Waterproofing Membrane (Root Resistant)

### DESCRIPTION



TamSeal 23R is a liquid applied, single component elastomeric liquid rubber membrane. It is specially formulated with a root resistant additive and is extremely effective in constraining root growth.

Once TamSeal 23R cures, TamSeal 23R is a continuous, seamless film which is rubbery, elastic, tough and resilient. TamSeal 23R has a good adhesion to a wide range of substrates and not affected by extremes of temperature. It allows expansion and contraction over a broad range of temperature and maintains its flexibility and waterproofing properties.

### KEY BENEFITS

- > Singapore Environment Council approved for Green label mark
- > Single-component, apply directly from pail, no mixing is required
- > Effective root inhibitor
- > The influence of TamSeal 23R on root growth is localized, root sprouts remain healthy and unaffected, if there is no direct contact
- > Fully bonded system, excellent continuous adhesion and prevents lateral migration of water
- > Capable of bridging cracks up to 2 mm
- > Can be applied over concrete, brick, wood, cement block, metal and most other surfaces
- > Tested for root resistance conforming to DIN 4062 and UNE 53420:1989

### TYPICAL APPLICATIONS

- > Roof garden, balconies, decks, planter boxes and green wall areas.
- > Basement wall & slabs.
- > Waterproofing intermediate slabs, such as parking decks, courtyard areas or roof decks.
- > Remedial repairs to concrete roof surfaces.

### TECHNICAL DATA

TamSeal 23R	
Specific gravity	1.2 ± 0.05
Viscosity (cps)	15000 ± 2000
Solids	> 70%
Approx. dry time (25°C, 65% RH)	45 - 60 mins touch dry 3 days full cure
Elongation	> 150 %
Tensile strength	> 3.0 MPa
Shore A hardness	60
Crack bridging, 2 mm	No cracks
Water penetration	No water penetration
Chemical resistance for 3 days	
a) 0.5% NaOCl	No visual change
b) 1.25% HN <sub>4</sub> OH	No visual change
a) 3.7% HCl	No visual change
Root resistance	Excellent

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 23R 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.
- > Priming of good quality and dense concrete is not necessary.

### Application Method

- > TamSeal 23R can be applied with brush or roller to a total thickness of 1.5 mm, with 2 coats application.
- > Apply directly from the pail without mixing and no thinning is required.
- > Apply the second coat in a perpendicular direction to the first coat.
- > Structural joints shall be lapped at 100mm at both sides.
- > Application around (pipe) penetration, apply in two applications of 1.0 mm of TamSeal 23R and when this is set, apply full membrane system.
- > TamSeal 23R can be diluted with clean water to form a priming coat over porous surfaces.
- > Should a flood test be conducted; membrane must be cured (48 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 tampering during curing.
- > When fully cured, a seamless film of membrane is formed and bonds to the applied surface.

### Limitations

- > Do not use in areas subject to high level of rising damp or negative hydrostatic pressure.
- > TamSeal 23R is not designed to be left exposed externally or exposed to regular foot traffic.
- > Not designed as a sealant for expansion, control or structural joints.
- > Technical enquiries regarding application, surface preparation or suitability should be forwarded to your local Normet representative.

### Coverage

Approximately 1.25 m<sup>2</sup> per litre when applied at thickness of 1.5 mm over 2 coats. Coverage may vary with the substrate condition (texture and porosity of the substrate).

## PACKAGING

TamSeal 23R is supplied in 20 litre pail. Packaging size may vary subject to local regulations and requirements.

## STORAGE

TamSeal 23R should be stored at room temperature (min 10°C and max 45°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 23R 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 Safety Data Sheet is available upon request from your local Normet representative.