

TamSeal 1500

Self Adhesive Waterproofing Membrane



▶ Description



TamSeal 1500 is a high performance pre-formed, self-adhesive rubber bitumen, HDPE backed waterproof membrane. TamSeal 1500 is suitable for use above and below ground or on vertical and horizontal surfaces where waterproofing is required. This product is formulated for easy installation as well as to achieve the final adhesion in just a few minutes.

▶ Key Benefits

- Fully bonded system, excellent continuous adhesion and prevents lateral migration of water.
- Cold applied, it does not require any special tools.
- Subsequent works can be commenced immediately
- Easy and quick installation
- Highly flexible
- Effective water vapour barrier
- Permanent flexibility and protection

▶ Typical Applications

- Planter boxes
- External basement wall & slabs
- Retaining walls
- Pedestrian concourse
- Roof terraces

- Tunnels
- External walls
- Foundations

▶ Technical Data

TamSeal 1500	
Weight	1.6kg/m ²
Thickness	1.5mm
Cold flexibility (ASTM D146)	> -40°C
Temperature resistance	30, +90°C
Adhesion on steel (ASTM D1000)	5.8N/mm ²
Adhesion on primed concrete	4.9N/mm ²
Elongation	
ASTM D638 Long	435%
ASTM D638 Trans	380%
Tensile strength	
ASTM D638 Long	43.5N/mm ²
ASTM D638 Trans	56.9N/mm ²
Tear resistance	
Longitudinal	83.01N
Transverse	73.74N
Punctual resistance (ASTM E 154)	246N/65mm ²
Water vapour permeability (ASTM E 96)	0.3g / m ² / 24hrs
Resistance to chemicals & fungus	Excellent

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

▶ Application Guidelines

Surface Preparation

- All concrete surfaces must be thoroughly clean, dry and free from dust, oil and other contaminants. It should have a relatively trowelled smooth finish.
- All structural cracks should be properly 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

Prior to the application of the membrane, all prepared surfaces should be primed with bituminous primer at a rate of 5 - 6m² per litre and allowed to dry.

TamSeal 1500 must be applied from the lowest point and enable laps to shed water. All edge and end laps must be overlapped with a minimum of 50mm. Internal and external corners should be reinforced with an extra layer of membrane with a minimum width of 300mm.

Whenever a vertical penetration exists (parapet wall, column, stack etc.) a 25 x 25mm cement/sand mortar angle fillet strip should be built before the installation of TamSeal 1500.

Lay membrane to ensure it is properly adhered to the surface at perimeters or on completion of the installation of TamSeal 1500, it is recommended to protect the membrane with board. It should not be left exposed to UV light for an extended period of time.

▶ Storage

TamSeal 1500 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 1500 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.