

TamSeal 3000C

3.0mm Mineral Coated, Torch Applied Membrane



▶ Description



TamSeal 3000C is a 3.0mm APP Modified Torch-Applied Bituminous Waterproofing Membrane. The surface is mineral slate coated on a heavy duty high strength, non-woven polyester mat. The mineral slate provides excellent UV protection and is made suitable for light pedestrian traffic. The rigid nature coupled with excellent UV resistance of the membrane provides for long weathering conditions and maintains the properties for an extended period of time.

The surface can be finished in sand, slate or PBS (polyethylene both sides). The underside is made from polyethylene which melts when torched.

▶ Key Benefits

- High flexibility at low temperatures
- General purpose membrane for various waterproofing jobs; basements, re-roofing, roof wet areas etc.
- Easy application
- Can withstand thermal shock
- Resistant to waterborne chemical attacks
- Excellent resistance to atmospheric pressure

▶ Typical Applications

TamSeal 3000C is used as a waterproofing membrane most suited for concrete roof decks where light pedestrian traffic is required. The membrane is applied by heating gently the lower surface of the membrane with a propane gas torch causing the surface to melt and subsequent adhesion to the primed surface. It is used as a single layer system with relatively simple and easy installation that requires no curing. Once the membrane is laid it is immediately accessible.

▶ Technical Data

TamSeal 3000C	
Total Thickness	3.0mm
Membrane Weight	3.5kg /m ²
Softening point	155°C
Service temperature	- 10°C - 100°C
Elongation	
ASTM D5747 Longitudinal	40 %
ASTM D5747 Transverse	40 %
Tensile strength	
ASTM D5747 Longitudinal	700N/5 cm
ASTM D5747 Transverse	500N/5 cm
Tear resistance	
ASTM D5747 Longitudinal	600N
ASTM D5747 Transverse	450N
Water absorption	< 0.15%
Water permeability	< 0.2g / 24 hours / m ²
Resistance to water pressure (24 hours)	> 60Kpa
Resistance to chlorides, sulphates and phosphates found in ground water	Complies

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

▶ Application Guidelines

Surface Preparation

- All concrete surface / substrate must be thoroughly clean, dry and free of any contaminants such as dust, oil, grease, water, laitance and any foreign materials that will prevent a proper bond during installation.
- Any loose particles shall be removed via scraper or any mechanical means such as scrubber. Prevent using any cleaning aid containing oil, wax pigment or resin.

Application Method

- Place unrolled membrane onto the designated concrete surface / substrate.
- Unroll membrane and allow it to remain flat while inspecting any unevenness on the surface (due to over stacking at site).
- Roll back the membrane without changing the original position and unroll again slowly, this time with the propane gas torch gently heating the below surface of the membrane.
- Swing torch left to right in a slow motion observing the melting process of the membrane.
- As the initial bottom layer starts to liquefy, the membrane is ready to be laid on the concrete surface / substrate.
- Lapping between two membrane sheets should not be less than 50mm.
- Extreme precautions should be taken when welding the membrane laps, ensuring it is fully heat welded and finished.

▶ Storage

TamSeal 3000C 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 3000C 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.