



**AERO**<sup>TM</sup>  
CONCHEM LLP

AN ISO 9001 : 2008 CERTIFIED COMPANY

## WATERSTOP BITU MEMBRANE

Liquid Applied Single Component Elastomeric Waterproofing Membrane

### Description

WATERSTOP BITU MEMBRANE is a highly elastic tough waterproofing system based on modified bitumens, co-polymers and a carrier solvent. WATERSTOP BITU MEMBRANE is highly resistant to aggressive soils and soluble salts providing an effective continuous barrier and protection against water borne damage. WATERSTOP BITU MEMBRANE is ideally suited as a vapour/salt barrier to building facades behind granite, marble, stone cladding, and curtain wall elements.

### Uses

WATERSTOP BITU MEMBRANE is a single component high performance waterproofing membrane with high elasticity and low water permeability. WATERSTOP BITU MEMBRANE is particularly suitable for a wide range of applications including wet areas, foundations, basements, terraces, retaining walls, bridge abutments, planters, inverted roofs and remedial repairs to felt, asphalt, concrete, fibrous cement or other roof structures when protected from exposure to direct sunlight.

### Advantages

- Liquid application, easy to apply.
- No Joints.
- High build properties ensure rapid application.
- High elasticity, ensuring a permanently flexible barrier over a wide range of temperatures.
- Thermal stability.
- Excellent adhesion.
- Can be applied to a range of substrates.
- Outstanding resistance to oxidation and brittleness.

### Instruction for use

#### Surface Preparation

All substrates must be sound, clean, dry, smooth and free from protrusions, voids, honey-combs and high spots. Presence of curing agents, paint and oil will impair adhesion. Moss and lichen must be removed and area treated with proprietary fungicidal wash to kill spores and inhibit further growth. Following treatment wash area thoroughly with clean water and allow drying. Fillets must be provided at corners or sharp angles using 4:1 sand and cement mortar modified with a good quality bonding agent – AEROBOND SBR 40.

#### Priming

Priming is not normally required on good quality, well prepared substrates.

### Typical Properties & Specifications:

Sr.No	Properties	Specification
1	Colour	Black
2	Form	Paste
3	Specific Gravity	1.100 ± 0.010
4	Tensile Strength	> 2.5 N/mm <sup>2</sup> (ASTM D412)
5	Non-volatile content	65 % Min.
6	Elongation at Break	> 500% (ASTM D412)
7	Cure time	24 hours approx.
8	Crack bridging	Up to 2mm

### Cracks

All shrinkage and non-structural cracks must be treated with not less than 1.5mm coating of WATERSTOP BITU MEMBRANE extending 75mm either side of the crack. Allow to cure overnight prior to general application.

### Application

WATERSTOP BITU MEMBRANE should be applied by brush to obtain a continuous unbroken film. Two coats are required with the second coat applied at right angles after the first coat has cured. WATERSTOP BITU MEMBRANE must be protected from mechanical damage during subsequent construction or backfilling works. Any damage may be repaired by spot application. If a water flood test is to be run, the membrane should cure for a minimum of 10 days. Whilst WATERSTOP BITU MEMBRANE is resistant to frost, adhesion will be impaired if applied to frosted substrates. Application should be avoided if substrate temperatures are below 5°C or rain is imminent.

### Cleaning

Application equipment should be thoroughly cleaned after use with Xylene or similar. Spillages should be absorbed with sand, vermiculite or similar and be disposed of in accordance with local regulations.

### Packing & Coverage

WATERSTOP BITU MEMBRANE is supplied in 1, 5, 20 & 100 kg plastic bucket. It has a coverage of 30 sq.ft. per 1 kg. Coverage rate will vary with substrate condition and profile.



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### Shelf Life & Storage

WATERSTOP BITU MEMBRANE will have a shelf life of 12 months in unopened containers when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

### Health & Safety

WATERSTOP BITU MEMBRANE should not come into contact with skin, eyes or be swallowed. Glasses, goggles and protective overalls should be worn during application. Refer Material Safety Data Sheet for further information.

### OUR RANGE OF PRODUCTS



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