

# SipFlex 6000

## Elastomeric Waterproofing Liquid Membrane

### Description

**SipFlex 6000** Liquid applied single component high elastomeric waterproofing membrane. It complies fully with ASTM C836 Standard. Low water permeability. 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. **SipFlex 6000** is a highly elastic tough waterproofing system based on modified bitumens, co-polymers and a carrier solvent. Is highly resistant to aggressive soils and soluble salts providing an effective continuous barrier and protection against water borne damage. Is ideally suited as a vapour/salt barrier to building facades behind granite, marble, stone cladding, and curtain wall elements.

### Advantage

- Liquid application, thereby reducing detail problems.
- 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 brittlement.

### Typical Properties

Colour	Black
Specific Gravity at 15°C	0.96 – 0.99
Tensile Strength (ASTM D412)	1.2 N/mm <sup>2</sup>
Approx. Solids content W/W	60-65%
Cure time at 25°C	24 hours
Flash Point (closed cup) min.	50°C
Film thickness /coat applied at 2m <sup>2</sup> /L Wet	1.0 mm
Elongation at Break (ASTM D412)	>1500%

### Application Procedure

**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 to dry. Fillets must be provided at corners or sharp angles using 4:1 sand and cement mortar modified with a good quality bonding agent.

**CRACKS** All shrinkage and non-structural cracks must be treated with not less than 1 .5mm coating of SipFlex 6000 extending 75mm either side of the crack. Allow to cure overnight prior to general application.

**APPLICATION** SipFlex 6000 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. SipFlex 6000 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 range of 2-3 days. Whilst SipFlex 6000 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.

### Coverage

1 - 2 litre/m<sup>2</sup> at 1mm WET. Coverage rate will vary with substrate condition and profile.

### 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.

### Storage

Should be stored in warehouse conditions away from direct sunlight and sources of ignition.

**No Smoking** Refer to Health and Safety data sheet.

### Shelf Life

Shelf life is 12 months in original unopened

**Packaging** is available in 20 and 200 litre containers.

Waterproofing