



# WATERGUARD LIQUID MEMBRANE

# LIQUID APPLIED SINGLE COMPONENT WATER BASED ELASTOMERIC WATERPROOFING MEMBRANE

### **BENEFITS**

- 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 brittlement.

### **USES**

WATERGUARD LIQUID MEMBRANE is a single component high performance waterproofing membrane with high elasticity and low water permeability. WATERGUARD LIQUID 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, fibreous cement or other roof structures when protected from exposure to direct sunlight.

### STANDARD COMPLIANCE

WATERGUARD LIQUID MEMBRANE complies to ASTM C 836-84.

### **DESCRIPTION**

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

### **PHYSICAL PROPERTIES**

Colour : Black

Form : One component

Specific Gravity : 1.1

Tensile Strength : 2.5 N/mm<sup>2</sup>

(ASTM D412)

Elongation at Break : 900%

(ASTM D412)

Cure time : 24 hours approx.
Crack bridging : Up to 2mm
Base : Water based

### **APPLICATION INSTRUCTIONS**

**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 - **FAIRCRETE SB(L)**.

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

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

Application: WATERGUARD LIQUID 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. WATERGUARD LIQUID 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 WATERGUARD LIQUID 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.

### Special Notes:

- WATERGUARD LIQUID MEMBRANE is recommended for properly prepared cementitous /concrete surfaces.
- It is highly recommended that before application of the product, surface must be roughen or profile should be roughen mechanically.
- 3. It is not suitable and not recommended the application on smooth mosaic tile / ceramic and vitrified tile surfaces.

# WATERGUARD LIQUID MEMBRANE



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

### **PACKING & COVERAGE**

WATERGUARD LIQUID MEMBRANE is supplied in 20 kg pails. It has a coverage of 1.5 - 2 m<sup>2</sup> per kg at 1mm WFT. Coverage rate will vary with substrate condition and profile.

### SHELF LIFE & STORAGE

WATERGUARD LIQUID 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**

WATERGUARD LIQUID 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.

### **SPECIFICATION**

WATERGUARD LIQUID MEMBRANE is a single component highly elastic waterproofing membrane supplied in a 20 kg pail with a coverage of 1.5 - 2 m<sup>2</sup> per kg at 1mm thickness, used strictly in accordance with the instruction of FAIRMATE.

### **QUALITY ASSURANCE**

Fairmate manufactures entire range of construction chemicals under compliance of ISO 9001-2000, ISO (EMS) 14001 & OHSAS 18001 (Occupational Health and Safety) certified by ISOQAR / UK.

### **TECHNICAL SERVICES**

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our laboratory in Baroda and technical personnel & experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

### **OUR RANGE OF PRODUCTS**

**CONCRETE ADMIXTURES** WATERPROOFING SYSTEMS **ENGINEERING GROUTS INDUSTRIAL FLOOR SURFACES**  **CONCRETE REPAIRS** SURFACE TREATMENT PREPACKED CONCRETE MORTAR **PROTECTIVE COATING** 

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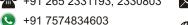


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