

**Description**

GS 103<sup>®</sup> is a treatment using high performance, liquid-applied poly acrylic waterproofing membrane. It consists of a very elastic polymer with inherent flexibility, which allows the membrane to accommodate movements in the substrate. Our material is specially formulated to seal, decorate and simultaneously waterproof exterior surfaces in two-coat application. Brush, roller or airless spray can be used to apply it.

**Can be applied on**

- Walls
- Concrete sloping roofs
- Asbestos roofing
- Planter Boxes
- Bathrooms
- Gutters
- Drains
- Brickwork
- Fibre cement board
- Expansion Joints
- Water Tanks

**Advantages**

\* Ease of application: - Can be easily applied by brush, roller or airless spray. Surfaces can be damp or moist when applying.

\* Solvent-free: - Our material poses no problems to workers during application in enclosed areas because it does not emit solvent fumes.

\* Ease of maintenance: - When maintenance is required after 7 years, the membrane surface can simply be cleaned and recoated with a refresher or second topcoat.

\* Hairline cracks: - It bridges and seals nonmoving hairline cracks.

\*Weather Resistant: - It has good weather resistance and offers excellent resistance to ultraviolet degradation.

\*Trafficability: - It can withstand regular foot traffic.

\*Vapour permeable: - GS 103<sup>®</sup> treatment allows two-way vapour transmission to release moisture and reduce efflorescence due to rising dampness.

**Advantages over Sheet Membrane Systems**

1. It can be brush-applied to angle fillet and skirting as well as to contours and irregularly angled surfaces. This circumvents the problem of measuring and cutting the sheet membrane to be torched onto the said areas.
2. It does not require honeycombs or hairline cracks in the concrete to be hacked, patched or grouted; unlike when using a sheet membrane system.

**Advantages over Solvent-Based Systems**

Problems of bubbling or pinholes are greatly reduced when using the water-based polyacrylic membrane system because the moisture present in the membrane allows bubbles to escape.

**Technical Data**

Form	Thick paint, odourless
Colour	Available in different shades
Density	1.40 kg/Litre of fresh liquid membrane
Max Tensile Strength	150 psi ASTM D-412
Elongation at break	690% ASTM D-638
Accelerated Weathering	UV Resistant ASTM C-822 Procedure A
Salt Spray Test	No change in elasticity or flexibility ASTM B-117
Water Vapour Transmission	25.50gm/m <sup>2</sup> /24 hrs ASTM D-1653
Solid content % m/m	68.4% ASTM 2369
Crack Test (1/16 inch, cycled 10 times/24hrs)	No loss of bond or cracking ASTM C-836-95
Pull-Off adhesion Test Mpa 1) Applied on concrete with fibre glass	? 6.0 Mpa ( cohesive B) ASTM D 4541