

# TOPSEAL SG 270

## Heavy Duty Liquid Applied Microfibre Reinforced Waterproofing Membrane

### Description

Topseal SG 270 is a single component, water-based, microfibre-reinforced elastomer waterproofing membrane system. It can apply to concrete and metal substrate. Topseal SG 270 is a water-based, low VOC, non-toxic and non-hazardous product. It provide a tough, wear resistant and excellent adhesion strength to the substrate.

### Advantages

- Waterbased
- Non toxic
- Environmentally friendly
- Fast drying
- Trafficable
- Excellent wear resistance
- Durability
- UV resistance
- Easy to apply
- Can apply to concrete, metal, asphaltic and other surface
- Seamless
- Root resistant (Topseal 270R)

### Technical Data

Colors	Grey, White, other colors
Appearance	Viscous high build liquid coating
Composition	Synthetic Rubber Elastomers
Service Temperature	+5 to 80°C
Specific Gravity	Approx. 1.30 to 1.35
Viscosity	9000 – 13000 cps @ 25°C
Solid Content	65%
Hardness ASTM D2240: 95	≤ 70 Shore A
Adhesion To Substrate ASTM D4541 : 93	> 1.0 N/mm <sup>2</sup>
Tensile Strength ASTM D412 : 92	≤ 2.30 N/mm <sup>2</sup>
Elongation at break ASTM D412 : 92	105 – 120%
Water Vapour Transmission ASTM E96 : 95	20 – 25 gm/m <sup>2</sup> /24 hrs

Crack Bridging Ability ASTM C836 : 89	2mm Passed
Water Penetration Test DIN 1048 :91, Part 5	No penetration, 12 hrs at 0.2 kgf/cm <sup>2</sup>
Curing Time	8 hrs subject to ambient conditions
Application Temperature	10 to 35 deg C, Clear weather

### Application Instruction

#### Substrate Requirement

The substrate to received Topseal SG 270 shall be sound with a minimum compressive strength of 25 N/mm<sup>2</sup>.

All the cracks, void, honeycomb, shall be repair with Topkrete repair product prior to the application of Topseal SG 270.

The surface shall be free of dust, laitance, oil and foreign particle.

Surface preparation by using a waterjet is recommended.

#### Application Instruction

Topseal SG 270 can be apply by brush, roller or spray.

Allow each coat to dry completely before applying the subsequent coat.

It apply by roller avoid using excessive pressure when applying Topseal SG 270.

#### Concrete Substrate

Primer coat : Topseal SA  
Topcoat : 2 coat of Topseal SG 270

#### Metal Substrate

Primer coat : Topseal ACT Primer  
Topcoat : 2 coat of Topseal SG 270

## Coverage

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Topseal SG 270 - 0.2 to 0.3 kg /m<sup>2</sup> /coat

Topseal ACI Primer – 0.2kg/m<sup>2</sup>

## Cleaning

Clean all the tool and equipment immediately after application with water cure material can be removed by using general purpose solvent.

## Packaging

Topseal SG 270 is available in 20kg or 250kg drum.

## Technical Support

Topkrete offers a technical support package to specifies, end-users and contractors, as well as on site technical assistance.

## Health & Safety

For further information, refer to the product Material Safety Data Sheet, available upon request.

## Additional Information

Topkrete manufactures and offers a wide range of complementary products which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

## Warranty

**Topkrete Sdn Bhd** warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to TOPKRETE SDN BHD shall be limited to replacement of the material proven to be defective, and TOPKRETE SDN BHD shall in no case be liable otherwise or for incidental or consequential damages. **TOPKRETE SDN BHD MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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