

# TOPKRETE TPO SA

Self Adhesive TPO

Flexible Thermoplastic Polyolefin Roofing Membrane for Exposed Roof

## Description

Topkrete TPO SA is a self adhesive reinforced with polyester flexible thermoplastic polyolefin roofing membrane used for the exposed roofing.

## Uses

- Metal Roof
- R.C Flat Roof
- R C Roofing
- Exposed RC Roof

## Advantage

- Excellent thermal and mechanical properties.
- Can be exposed
- Easy to apply
- Excellent quality
- Good flexibility
- Anti-microbiological growth with heat aging resistance
- Strong chemical resistance.

## Technical Information

Thickness	0.9mm, 1.2mm & 1.5mm
Tensile Strength	≥ 12 Mpa
Elongation at Break	≥ 500%
Tear Strength of Nail Bar, N	≥ 400 N
Puncture Resistance	≥ 180 N
Anti-static Loading	20kg, no leakage
Heat Resistance	80°C, 2h without displacement, flow, dripping
Low Temperature Bending	- 40°C, no cracks
Peel Strength at Joint	≥ 2 N/mm <sup>2</sup>
Thermal Aging (80°C, 168h) Elongation Retention Rate	> 90%
Thermal Aging (80°C, 168h) Tensile Strength Retention Rate	≥ 90%
Solar Reflective Index SRI (White)	80
Adhesion Strength to Concrete	≥ 1.5 N/mm <sup>2</sup>
Adhesion Strength to Metal	≥ 1.5N/mm <sup>2</sup>



## Application Instruction

### Surface Requirement

- The substrate must be clean, dry, smooth, free of oil, grease and loose or foreign particle.
- Any surface can damaged the membrane shall be repair prior to the application of Topkrete TPO SA.
- Care shall be taken when handling the membrane to avoid damage.

### Application

Please refer to the Topkrete TPO SA application manual.

## Packaging

1m x 30m

## Shelf Life

18 months when stored between 16°C and 27°C out of direct sunlight.

### Precautions

Take care when moving, transporting, and handling to avoid physical damage.

Removal of the plastic release liner from the adhesive backing may create a static electric charge; care should be used when removing and handling the release liner.

### 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

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