

TOPKRETE BituSeal SA-160

Self-Adhesion Bituminous Waterproofing Membrane

Product Description

Topkcrete BituSeal SA-160 is a high-performance self-adhesive bituminous waterproofing membrane composed of SBS modified bitumen laminated with a high-density polyethylene (HDPE) film on the upper surface and a silicone release liner on the underside.

It is designed for cold applications, eliminating the need for torching and providing a safe, fast, and reliable waterproofing system for concrete and masonry substrates.

Uses

- Roof slabs (flat & pitched)
- Basement waterproofing
- Retaining walls
- Wet areas (toilet, kitchen, balcony)
- Podium decks
- Bridge decks (light-duty)
- Foundation slabs

Advantages

- Cold applied (no torching required)
- Strong self-adhesive bonding to substrate
- Excellent waterproofing performance
- Flexible – accommodates structural movement
- High puncture and tear resistance
- Fast installation reduces labor costs
- Environmentally safer (no open flame)
- Compatible with concrete, screed, and metal surfaces

Product Specifications

Property	Typical Value
Thickness	1.5 mm / 2.0 mm
Reinforcement	Polyester / Composite
Bitumen Type	SBS Modified Bitumen
Upper Surface	HDPE Film

Lower Surface	Self-Adhesive with Release Film
Tensile Strength	≥ 500 N/50 mm
Elongation at Break	≥ 300%
Tear Resistance	≥ 150 N
Peel Adhesion	≥ 1.5 N/mm
Temperature Resistance	-20°C to +80°C
Water Tightness	No leakage
Flexibility at Low Temp	≤ -15°C
UV Resistance	Requires protection

Application Method

Surface Preparation

- Substrates must be clean, dry, smooth and sound
- Remove dust, oil, grease, and loose particles
- Repair cracks and honeycombs prior to application

Priming

- Apply Topkcrete BituPrime SB or equivalent bitumen primer
- Allow primer to dry before membrane installation

Installation

1. Align membrane and cut to required length
2. Remove release films gradually
3. Press membrane firmly onto substrate
4. Use roller to eliminate air bubbles
5. Ensure overlaps of minimum 50 – 75 mm
6. Seal overlaps by pressure or heat gun if required

Coverage

- Approx. 1.05 – 1.10 m² per m² (including overlaps)

Packaging

- Roll size: 1.0 m × 10 m
- Weight:
 - 1.5 mm: ~15 kg/roll
 - 2.0 mm: ~20 kg/roll

Storage & Shelf Life

- Store in a cool, dry area.
- Keep rolls in upright position
- Shelf life: 12 months

Limitations

- Not suitable for exposed UV applications without protection
- Avoid application on wet substrates
- Protection screed required for heavy traffic areas
- Not recommended for negative-side waterproofing.

System Components

To strengthen your Topkrete full waterproofing system, propose:

- Topkrete BituPrime SB – Bitumen primer
- Topkrete BituSeal SA-160 - Membrane
- Topkrete Protection Board – Mechanical protection
- Topkrete Topcoat PU / Cementitious – Optional overlay

Technical Support

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

Additional Information

Topkrete manufacturers and offers a wide range of complementary products which includes waterstop, 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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