

TOPKRETE TPO WALK PAD

Thermoplastic Polyolefin (TPO) Pedestrian Protection Layer

Product Description

Topkrete TPO Walk Pad is a high-performance thermoplastic polyolefin (TPO) walkway protection system designed to provide durable, anti-slip pedestrian access on TPO waterproofing membranes.

Manufactured using premium-grade TPO resin compounded with stabilizers, pigments, and functional additives, the walk pad is produced through advanced extrusion technology to ensure consistent thickness, superior mechanical strength, and long-term weather resistance.

The surface is embossed with a deep anti-slip profile to enhance safety under wet and dry conditions, making it ideal for maintenance walkways on exposed roofing systems.

Typical Application

- Roof maintenance walkways.
- Access paths to HVAC systems and equipment.
- Service corridors on exposed TPO roofing systems.
- Industrial and commercial roofing applications.

Key Features & Benefits

- Excellent anti-slip surface for safe pedestrian traffic.
- High tensile strength and elongation for durability.
- Superior UV and weather resistance.
- Compatible with TPO roofing membranes.
- Strong hot-air weldable bond to substrate.
- Flexible performance at low temperature (-40°C)
- High puncture and impact resistance.

Product Specifications

Property	Value
Thickness	3.4 mm
Width	0.865 m
Length	10 m
Colour	Grey / White
Surface	Anti-slip embossed

Technical Properties

Property	Performance
Tensile Strength	≥ 12 MPa
Elongation at Break	$\geq 500\%$
Dimensional Stability (Heat Aging)	$\leq 2.0\%$
Low Temperature Flexibility	No cracks at -40°C
Water Impermeability	0.3 MPa, 120 min – No leakage
Impact Resistance	0.5 kg·m – No penetration
Tear Strength (Right Angle)	≥ 60 N/mm
Appearance	Free from defects, bubbles, cracks

Installation Method

- Substrate must be clean, dry, and free of contaminants.
- Position walk pad along designated maintenance pathways.
- Install using hot-air welding directly onto TPO membrane.
- Ensure full-edge welding for optimal wind uplift resistance.
- Overlap joints to maintain continuous protection.

Packaging & Identification

- Roll size: 10 m × 0.865 m
- Thickness: 3.4 mm
- Product designation:
Topkrete TPO Walk Pad 3.4mm (10m × 0.865m)

Storage & Handling

- Store in a cool, dry, shaded area.
- Avoid direct sunlight and moisture before installation.
- Keep rolls in original packaging until use.

Compliance & Standards

Designed to comply with international roofing performance standards for TPO systems.

System Compatibility

Fully compatible with:

- Topkrete TPO-P Membrane
- Topkrete TPO-F Membrane
- Standard TPO roofing systems

Health & Safety

It is recommended to use PPE and avoid contact with skin and eyes and take precaution for handling the product.

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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