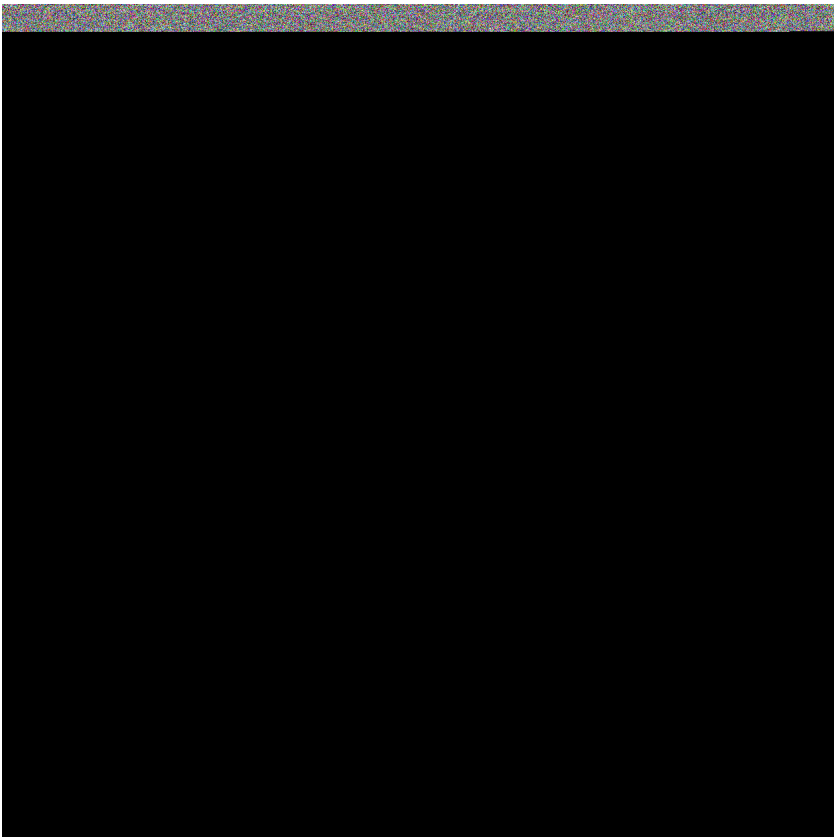


TIANYUAN WATERPROOF TPO WALKWAY PAD

Technical Data Sheet (TDS)

TPO Walkway Pad is a textured thermoplastic polyolefin protective walkway material designed for commercial roofing systems. It provides a durable, slip-resistant access surface and helps protect waterproofing membranes from mechanical damage caused by maintenance traffic.



Product Type	TPO roof protection walkway pad	Applications	Roof maintenance path / HVAC access / Solar walkway
Surface	Embossed anti-slip texture	Key Advantages	Slip resistance / membrane protection / durability
Supply Format	Roll form	Customization	Thickness / width / color / packaging / private label

1. Key Features

Feature	Description
Anti-Slip Surface	Embossed diamond texture provides improved traction and safer roof access.
Membrane Protection	Reduces direct foot traffic impact on waterproofing membranes.
Abrasion Resistance	Designed for repeated maintenance access and long-term durability.
Weather Resistance	Suitable for outdoor roof environments with UV and temperature exposure.
OEM Customization	Available in customized thickness, width, color and packaging options.

2. Recommended Thickness Options

Thickness	Recommendation	Typical Use	Remarks
2.0 mm	Standard Option	Light-duty rooftop access	Economical choice
2.5 mm	Recommended	General maintenance walkway	Balanced durability
3.0 mm	Heavy-Duty Option	Frequent traffic areas	Higher wear resistance
Customized	Optional	Project-based requirements	Available on request
Selection Note	Common thickness range is 2.0–3.0 mm. Final selection should be based on traffic frequency, roof layout, service conditions and project requirements.		

3. Typical Technical Properties

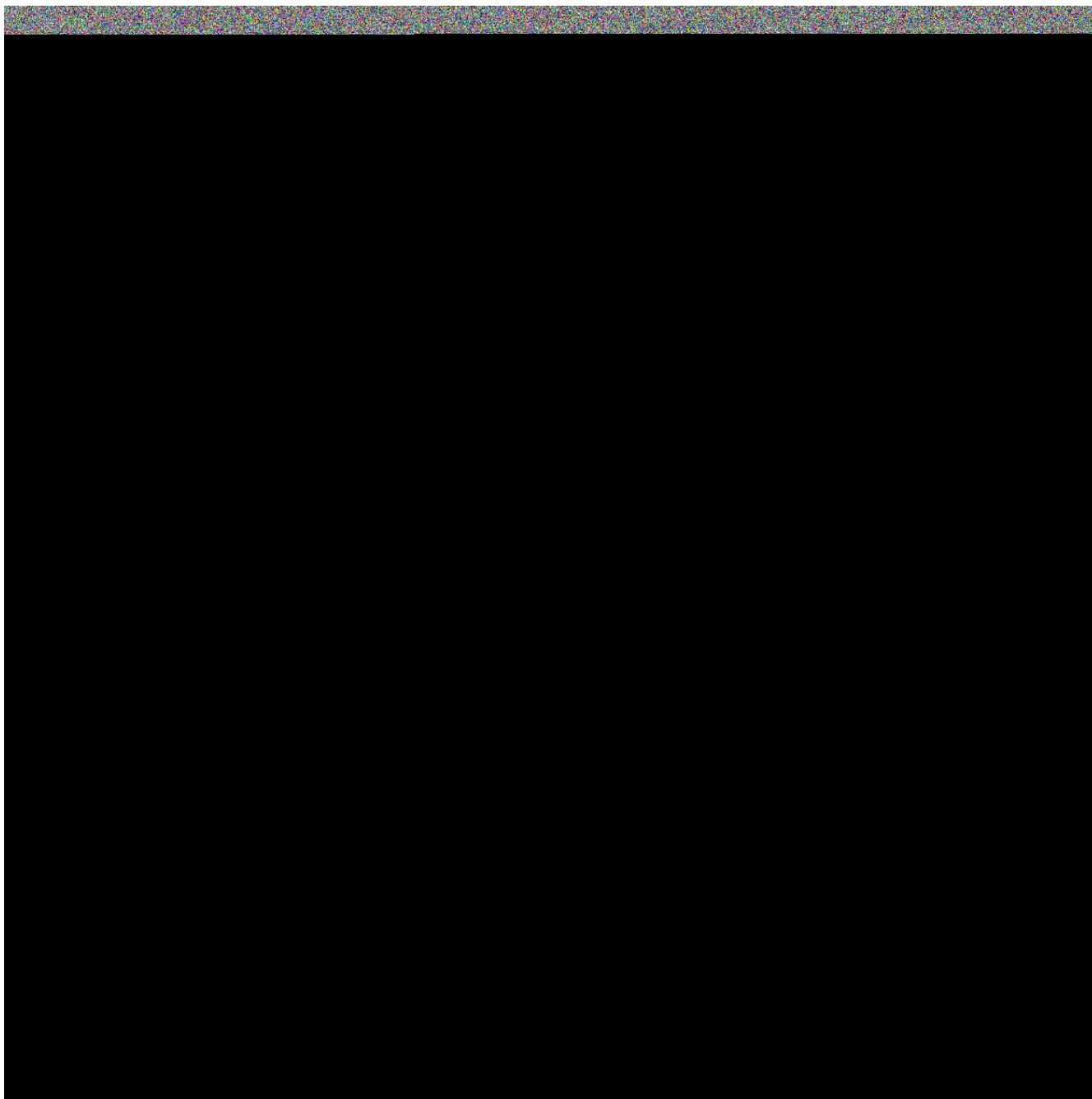
Property	Typical Value / Description
Material	Thermoplastic Polyolefin (TPO)
Surface	Embossed anti-slip texture
Color	Blue / Gray with yellow edge / Customized
Thickness	2.0 mm / 2.5 mm / 3.0 mm / Customized
Width	300–1000 mm
Length	10 m / 15 m / Customized
Tensile Strength	≥ 8 MPa (typical)
Elongation at Break	≥ 300% (typical)
Dimensional Stability	Good
Water Absorption	Low
UV Resistance	Good outdoor weather resistance
Service Temperature	Approx. -40°C to +80°C

4. Basic Installation Guidance

Step	Guidance
1. Surface Preparation	Clean and dry the roofing area before installation.
2. Route Planning	Mark the required maintenance pathway and service access route.
3. Product Positioning	Place walkway pads along designed access routes.
4. Fixing / Welding	Install according to roofing system requirements and project specifications.
5. Final Inspection	Check alignment, bonding and surface finishing quality.

5. Complete Fixing & Installation System

The following image illustrates a complete fixing and installation system for rooftop walkway pad applications. Actual accessory selection may vary depending on roof system design and project requirements.



Item	Information
Packaging	Supplied in rolls. Roll dimensions may vary depending on thickness and order requirements.
Storage	Store in a dry and ventilated area. Avoid prolonged exposure before installation.
Transportation	Protect from mechanical damage during handling and transport.
OEM / Customization	Thickness, width, color, packaging and private label solutions are available upon request.
Disclaimer	This document presents typical product information for reference. Final specifications can be adjusted according to project requirements and mutually confirmed orders.