

# TPO Roofing System



## WD TPO ROOFING MEMBRANE



### Description:

Weidun® WD004 TPO Roofing Membrane stands for thermoplastic polyolefin, which is a type of single-ply roofing membrane material. It's commonly used in commercial and residential roofing applications. TPO roofing is known for its durability, flexibility, and resistance to ultraviolet light and chemical exposure.

### Uses:

Weidun® WD004 TPO Roofing Membrane is considered a good option for single-ply roofing systems due to its excellent physical properties, ease of installation and minimization of maintenance.

### Advantages:

- Highly durable and resistant to punctures, tears, and impacts.
- Excellent resistance to UV radiation, ozone, and chemical exposure, ensuring longevity.
- Flexible, allowing for easier installation and adaptability to a variety of roof designs and shapes.
- Heat-welded seams create strong bonds, enhancing the overall strength of the roofing system.
- Recyclable, making it an environmentally conscious choice compared to some other roofing materials.



[wd-waterproofing.com](http://wd-waterproofing.com)

### Product Application:



### Storage and Handling:

To prevent damage, support rolls on end in an upright position and store in a clean, dry location, covering as necessary to protect from environment damage. Monitor environmental conditions during storage, handling, and application.



### Technical Data Sheet:

Item			Standard Specification	Test Results	Evaluation
Tensile Performance	Tensile Strength / MPa	Longitudinal	≥ 12.0	15.8	Qualified
		Transverse		14.7	Qualified
	Elongation at Break, %	Longitudinal	≥ 500	538	Qualified
		Transverse		522	Qualified
Thermal Treatment Dimensional Change Rate, %		Longitudinal	≤ 2.0	1.2	Qualified
		Transverse		1.3	Qualified
Low Temperature Flexibility			No cracks at -40°C	No cracks	Qualified
Imperviousness			0.3MPa, 2h Watertight	Watertight	Qualified
Impact Resistance			0.5kg · mNo water seepage	No water seepage	Qualified
Joint Peel Strength, N/mm			4.0 or membrane failure	4.0	Qualified
Angle Tear Strength, N/mm			≥ 60	67	Qualified
Water Absorption (70°C, 168h), %			≤ 4.0	0.8	Qualified

### Product Specifications:

Roll Size*	20.0m <sup>2</sup>
Roll Length	10.0m
Roll Width	2.0m
Roll Thickness	1.2mm; 1.5mm
Top side Surfacing	Smooth
Bottom Side Surfacing	Smooth; Self-adhesive

Note: Actual membrane dimensions are customizable, please contact your sales representative for support.