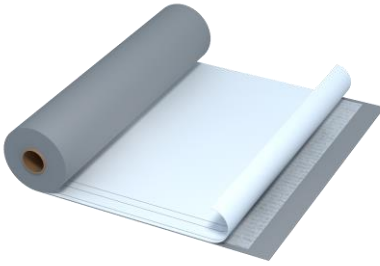


Thermoplastic polyolefin (TPO) waterproofing membrane



Weberdry TPO is a thermoplastic polyolefin (TPO), anti puncture waterproofing membrane. In addition to its long service life and stable performance, Weberdry TPO exhibits a good ecological effect, and strong root penetration resistance.

PRODUCT BENEFITS



EXCELLENT STRENGTH



EASY APPLICATION



ROOT RESISTANT

USES

Weberdry TPO is suitable for various green areas, including roof gardens and green roofs. When used in underground structures, it prevents plant roots from penetrating into the waterproofing layer. It offers advantages such as waterproofing, root resistance, and suitability for complex underground environments. Additionally, it can be recycled at any service stage, and it contains no heavy metals or other components that are harmful to plant roots.

ADVANTAGES

- Strong chemical corrosion resistance
- Long service life
- Excellent weldability
- Great flexibility at low temperatures

TECHNICAL DATA & PHYSICAL PROPERTIES

Type	Thickness (mm)	Width (m)	Length (m)	Overlap area
H (Homogeneous) L (Backed with fabric) P (Reinforced with polyester)	1.5	2	20	Welding

Standard: GB 27789-2011 "Thermoplastic polyolefin sheets for waterproofing"

Item	Requirement		
	H	L	P
Thickness of resin above the inlayer in the middle of the membrane, mm \geq	-	-	0.40
Maximum tensile stress, N/cm \geq	-	200	250
Tensile properties Tensile strength, MPa \geq	12.0	-	-
Elongation at maximum tensile stress, % \geq	-	-	15
Elongation at break, % \geq	500	250	-
Bending performance at low temperature	No crack at - 40 °C		
Joint peel resistance. N/mm \geq	4.0 or membrane break		3.0
Right-angle tear resistance, N/mm \geq	60	-	-

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Thermoplastic polyolefin (TPO) waterproofing membrane

TECHNICAL DATA & PHYSICAL PROPERTIES

Standard: GB/T 35468-2017 "Waterproofing sheets of resistance to root penetration for green roof"

Item		Requirement
Mould corrosion resistance	Anti-mould grade	Grade 0 or 1
Joint peel resistance	No treatment, N/mm	Welding ≥ 3.0 or membrane break
		Bonding ≥ 1.5
	Retention after heat aging treatment, %	

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

PROCEDURE & APPLICATION



Application (Fully adhered)

Clean the substrate and pre-apply Weberdry TPO. Apply the adhesives then bond the membrane to the substrate. Perform overlapping treatment and reinforce the details. Apply termination treatment.

Application (Loose laid)

Clean the substrate and pre-apply Weberdry TPO. Perform overlapping treatment and reinforce the details.

STORAGE & PACKING

Weberdry TPO is available in rolls of 20m x 2m x 1.5mm. Weberdry TPO should be stored in a sheltered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Nov '23)



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