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卓宝科技  
JOABOA TECH

**TPO** JOABOA®  
TPO Waterproof Membrane

JOABOA TECH China Pioneer of Waterproofing, Insulation & Decoration Integration

Ver. 20181129



# TPO <sup>®</sup> JOABOA

## TPO Waterproof Membrane

### Product Introduction

TPO waterproof membrane mainly consists of thermoplastic polyolefin and other resin materials. It's among the fastest growing roofing products and has gained broad industry acceptance for its great performance and installation advantages. There are three types: H(homogeneous), L(fleece backing) and P(fabric reinforced).



H(Homogeneous)



L(Fleece Backing)



P(Fabric Reinforced)

### Product Features

1. With USA FM approval, VOC test report, SRI test report, which meet the LEED requirement.
2. Excellent low temperature flexibility: -40°C no cracking.
3. Outstanding durability: over 30 years service life.
4. High quality with imported main raw materials.
5. Excellent tensile strength and elongation property.
6. Low maintenance, cost effective and environment friendly.

### Application Ranges



Steel structure roofs, exposed and unexposed concrete roofs, green roofs, metros, and tunnels.

### Notes

1. TPO membrane in different types and specifications should be stored separately during storage and transportation.
2. Avoid sun and rain, keep ventilate and far away from fire source.

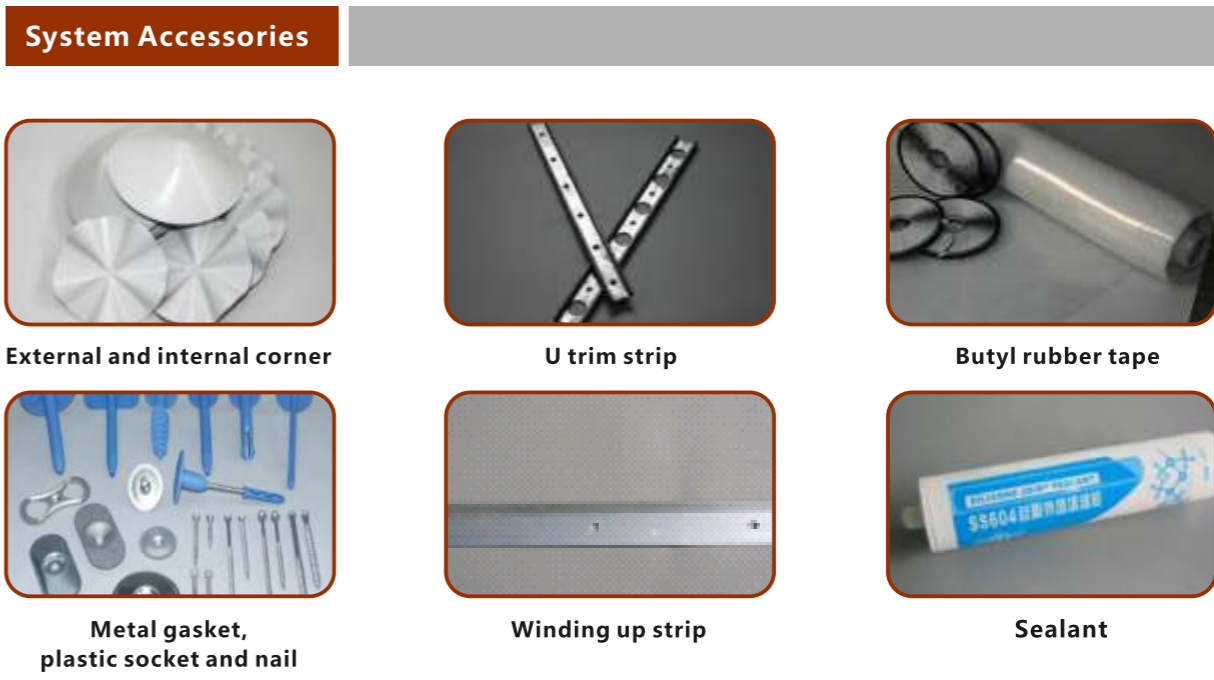
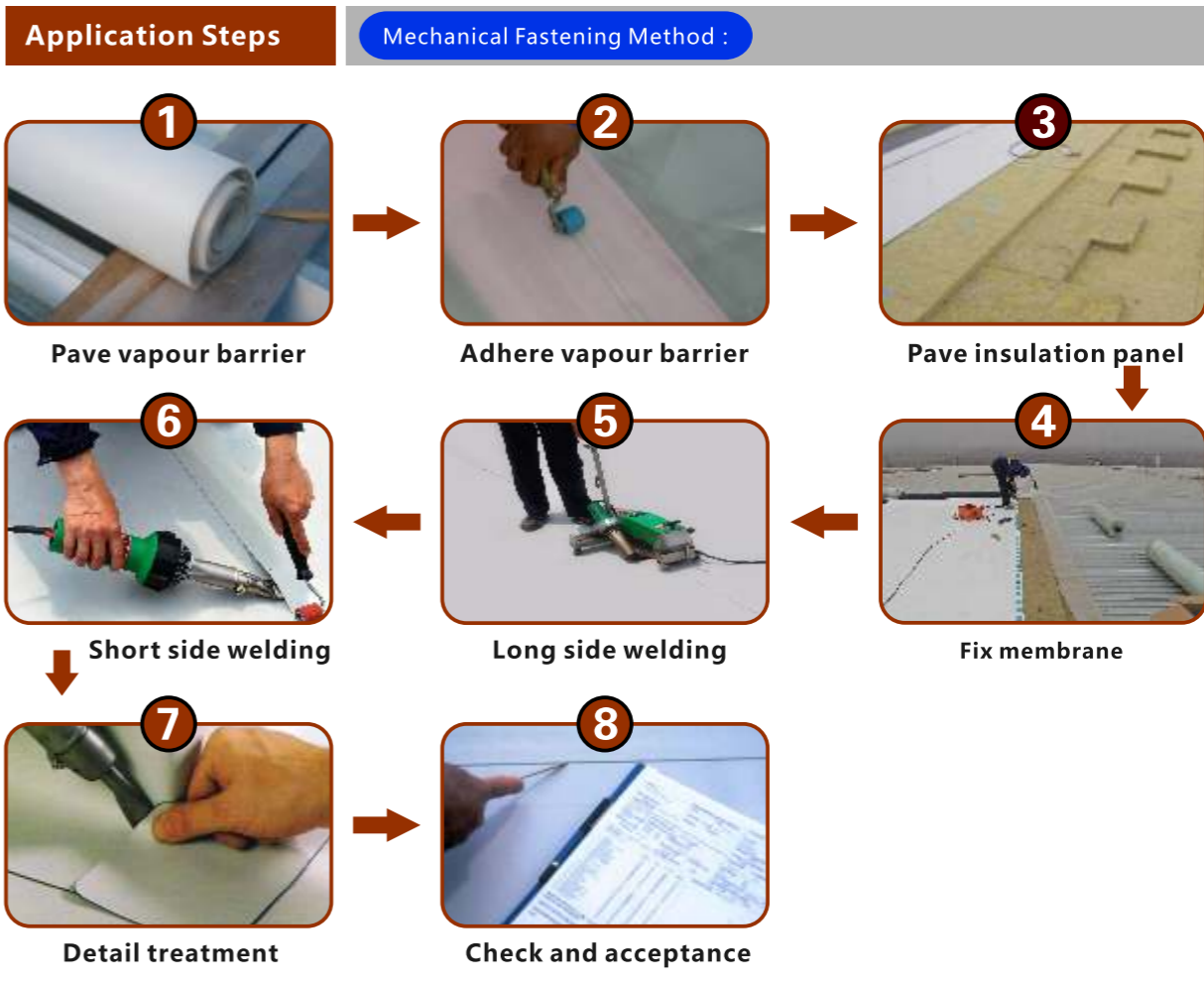
Specifications				
Type	Model	Thickness ( mm )	Width ( m )	Length ( m )
Homogeneous	H	1.2、 1.5、 2.0	2	20
Fleece backing	L	1.2、 1.5、 2.0	2	20
Fabric reinforced	P	1.2、 1.5、 2.0	2.05	20

Note: other specifications can be offered according to agreement between buyers and suppliers.

### Property Index

Standards: GB 27789-2011

Item		Index			
		H	L	P	
Tensile property	Maximum tension/(N/cm)	≥	-	120	250
	Elongation with maximum tension/%	≥	-	-	15
	Elongation at break /%	≥	500	250	-
Low temperature flexibility /°C		≥	-40°C,no crack		
Water impermeability		≥	0.3 MPa, impermeability within 2hs		
Impact resistance		≤	0.5kg-m, impermeable		
Peel strength of lap seam/(N/mm)		≥	4.0 or membrane is damaged	3.0	
Tear strength of trapezoid / N		≥	-	250	450
Thermal aging(115°C)	Retention rate of maximum tension / %	≥	-	90	90
	Elongation retention rate of maximum tension / %	≥	-	-	90
Chemical resistance	Retention rate of maximum tension / %	≥	-	90	90
	Elongation retention rate of maximum tension / %	≥	-	-	90
Artificial weathering	Retention rate of maximum tension / %	≥	-	90	90
	Elongation retention rate of maximum tension / %	≥	-	-	90



**Detail Treatment**



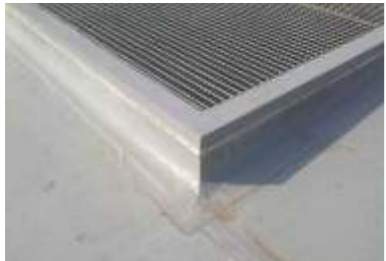
**External corner treatment**



**Pipe treatment**



**Internal corner treatment**



**Roof skylight**



**Reinforcement treatment**

**Application Equipment**



**Hand torch**



**Welder**



**Electric screw driver**

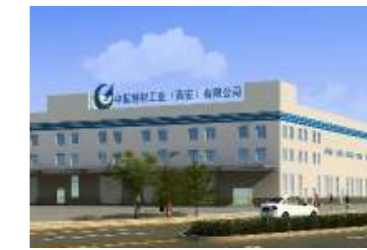
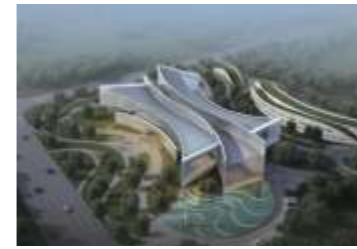


**Electric hammer**



**Sealant gun**

**Landmark Projects**



**FM Approval Certificate**

