



SBS

Modified Bitumen Waterproof Membrane

Product Data Sheet

HONGYUAN WATERPROOF

SBS Modified Bitumen Waterproof Membrane

Perfect combination of fiberglass and SBS rubber for higher tensile strength, better performance, and weather fasteness

Product Description

SBS modified bitumen waterproof membrane is produced by immersing base materials in bitumen or thermoplastic elastomer, with polyester or fiberglass as the reinforcement, and fine sands, minerals or polythene membrane as the upper surface. SBS modified bitumen waterproof membrane has good impermeability, and is specially applied in cold areas with low temperature, presenting good anti-puncture, anti-broken, anti-resistance, anti-erosion, anti-mildew, and anti-weathering performance. The product has high tensile strength, elongation rate, and size stability to perfectly fit substrate distortion and crack. In addition, it also has good flexibility, and is corrosion resistant, pollution free, and non-toxic.



Application Scope

Waterproof and dampproof for roof and underground structure of industrial and civil buildings, as well as waterproof for metro, tunnel, bridge, swimming pool, sewage treatment plant, as well as other municipal facilities.



Performance Index

Executive Standard: GB18242-2008

SN	Items	I		II			
		PY	G	PY	G	PYG	
1	Soluble Content / (g/m ²) ≥	3mm	2100				
		4mm	2900			*	
		5mm	3500				
	Test Phenomenon	*	Base Inflammable	*	Base Inflammable	*	
2	Heat Resistance	°C	90		105		
		≤mm	2				
		Test Phenomenon	No Flowing or Dropping				
3	Low-temperature Flexibility °C	-20		-25			
		No Fissure					
4	Imperviousness 30min	0.3MPa	0.2MPa	0.3MPa			
5	Tensile Strength	Maximum Peak Tension / (N/50mm) ≥	500	350	800	500	900
		Secondary Peak Tension / (N/50mm) ≥		*	*	*	800
		Test Phenomenon	No Fissure with Bitumen Coating or Separation between Bitumen Coating and Base Layer in Tension Test				
6	Elongation	Maximum Elongation / % ≥	30	*	40	*	
		Secondary Elongation / % ≥	*		*		15
7	Oil Permeability Quantity	2					

Note: PY - Polyester Felt G - Fiberglass PYG - Fiberglass Reinforced Polyester Felt

Raw Material and Equipment Suppliers



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Product Category and Benefits

Items	Category		
Base Material	Polyester Felt	Fiberglass Felt	Fiberglass Reinforced Polyester Felt
Upper Surface	PE Film	Fine Sand	Mineral Particle
Thickness	3mm	4mm	5mm
Width	1000mm		

- Outstanding anti-broken performance
- Wide and mature application
- Simple and easy construction



Construction Instructions

- **Hot-melting method:** heating the lower surface of membrane and the surface of base course surface until bitumen on membrane surface reaching molten state; paving the membrane while heating, and rolling the membrane to make it adhere firmly with base course or membrane; overlapping part shall be sealed separately with hot-melting method, until there is approximately 2mm melting bitumen overflowing from the joint; the method is applicable to membrane with thickness no lower than 3mm;
- **Cold adhesion and hot-melting method:** membrane is adhered with special binding material, and large-scale adhesion is followed by hot-melting process for joint sealing, with the same method as the above;
- **Border adhesion method:** this approach is only applicable to floor of basement, roof of garage, and roofing works with cover, in which membrane is not adhere with base course, while overlapping parts are adhered with holt-melting process.

Construction Elements



- ① Base Course Treatment; ② Primer Painting; ③ Heating Membrane; ④ Paving Membrane with at least 10cm Overlap
⑤ Roll Overlap Edge for Strong Adhesion

Supporting Materials: base course treating agent, adhesive material, sealant, metal strip, screw, etc.

Construction Tools: single-burner or multi-burner hot-melting blowtorch, other small tools, etc.



Construction Precautions

- Avoid construction in rainy or snowy weather, or wind stronger than force 5;
- Safety protection facilities and articles shall be well prepared; fire-fighting equipment shall be deployed according to regulations;

Transport and Storage

- Packaged with plastic tape in roll pattern;
- Products of different models and specifications shall be transported and stored separately to avoid mixing;
- Keep away from direct sunlight, rain, or fire; avoid collision; ensure good ventilation condition at storage location, with temperature no higher than 50°C; vertical stack shall not exceed one layer during storage or two layers during transportation.

Quality Create the Future

HONGYUAN WATERPROOF

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Waterproof Supplier

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