

SBS ELASTOMER MODIFIED ASPHALT WATER-PROOFING MEMBRANE



Usage

- Roof waterproofing project.
- Underground waterproofing project.
- Waterproofing of pipe corridors, pools, roads, bridges, etc.

Packing

SBS elastomer modified asphalt waterproofing membrane is available in:

3.0mm thickness	1mx10m/roll
4.0mm thickness	1mx7.5m/roll
	1mx10m/roll

Description

SBS elastomer modified asphalt waterproofing membrane is styrene, butadiene, styrene (SBS) made of modified bitumen as dip-coating materials, polyester felt, glass fibre reinforced polyester felt as the tyre base, fine sand mineral granules (sheet) material, PE membrane, aluminium membrane and so on for the cover material made of waterproofing membrane.

Advantages

Good resistance to high and low temperatures; superior corrosion and ageing resistance.

Application

- a Grass-roots level should be solid, flat, clean, dry , the surface without dust and debris and grease. Flat facade junction of the Yin and Yang angle should be made into a rounded arc .
- b Membrane application should be brushed before the grass-roots level treatment agent to reduce the surface of the floating ash to enhance bonding, brushing should be uniform, shall not miss the brush or bottom, Until grass-roots level to reach the degree of dryness (generally to the non-stick) before the construction of the next membrane.
- c Paving waterproof layer, should be in advance to determine the location of the paving of the membrane first unfolding, adjust the paving part and then use the hot melt gun and coil and grass-roots level of the corner of the uniform heating, slowly forward paving, hot melt side of the paving side of the roll, to exclude the air, bonding tight, paving membrane should be flat, straight, lap size is correct, shall not be twisted.
- d Use a spray gun to fully heat-melt the asphalt coating layer on the bottom surface of the upper roll and the upper surface of the lower roll at the overlapping edges, and use a pressure roller to compact it tightly to ensure that the asphalt between the rolls at the overlapping edges is densely fused, and that molten asphalt is squeezed out from the edge by 5-8mm to form a uniform asphalt strip.



Technical Index

Standard: GB18242-2008

NO.	Items		Index				
			I		II		
			PY	G	PY	G	PYG
1	Soluble content/(g/m ²) ≥	3 mm	2100				—
		4 mm	2900				—
		5 mm	3500				
		Experimental phenomenon	—	The tire base is non-flammable	—	The tire base is non-flammable	—
2	Heat resistance	°C	90		105		
		≤mm	2				
		Experimental phenomenon	No flowing or dripping				
3	Low temperature flexibility/°C		-20		-25		
			No crack				
4	Impermeable 30 min		0.3 MPa	0.2 MPa	0.3 MPa		
5	pull	Maximum peak pulling force/(N/50 mm)≥	500	350	800	500	900
		Sub Maximum peak pulling force/(N/50 mm)≥	—	—	—	—	800
		Experimental phenomenon	No cracking or separation of the asphalt coating layer from the tire base in the middle of the specimen.				
6	Elongation	Maximum peak elongation/% ≥	30	—	40	—	—
7	Increased mass after immersion in water/% ≤		PE、 S	1.0			
			M	2.0			
8	Thermal aging	Tension retention rate / %≥	90				
		Elongation retention / % ≥	80				
		Low temperature flexibility/°C	-15		-20		
			No crack				
		Dimensional change rate/% ≤	0.7	—	0.7	—	0.3
9	Oil permeability	Piece ≤	2				
10	Seam peeling strength/(N/mm) ≥		1.5				
11	Thickness of bituminous cover layer on the underside of the membrane/mm ≥		1.0				
12	Artificial climate accelerates aging	Outlook	No sliding, flowing, dripping				
		Tensile strength retention/% ≥	80				
		Low Temperature Flexibility/°C	-15		-20		
			No crack				

Limitation

- Not subject to traffic and must be protected by protective screed or polystyrene board.
- Not recommended for installation during rainy days or on stagnant water conditions.

Safety precautions

We recommend using protective gloves during installation. SBS elastomer modified asphalt waterproofing membrane should be lifted by two site personnel. There shall be sufficient safety protective facilities in construction site, place firefighting devices according to stipulations.

Contact us

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Technical support

For more information, alternative applications or alternative proposals, please contact our Technical Department at the email address below.

Storage and transportation

During transportation and storage, products of different types and specifications should be stacked separately and should not be mixed. Avoid sunshine and rain, pay attention to ventilation. Storage temperature should not be higher than 50 °C, membrane storage height of no more than five layers of flat storage, vertical storage in a single layer of stacking. Prevent tilting or side pressure during transport. Under normal storage and transport conditions, the shelf life is 1 year.

*We hope that the information contained herein will be of your assistance. Please follow the instructions in the information before proceeding, and we cannot accept any liability for damage caused by incorrect use. If you require assistance during the process, please contact our service personnel via the contact details above.