

Aquatorch SBS

Elastomer Modified Bitumen Waterproof Membrane



Product Description

Aquatorch SBS is a kind of membrane modified by Styrene Butadiene Styrene, torch-on elastomeric waterproofing membranes with non-woven spunbond polyester felt; both sides are coated with polyethylene film or one side coated with polyethylene film, the other side is coated with fine sand/mineral sand.

Product Features

- Versatile: Suitable for various surfaces in cold temperatures due to its high elasticity.
- Resilient: Demonstrates significant elongation and tensile strength.
- Durable: Withstands the harsh impact of soil and low temperature resistance.
- Precise: Easily applied to intricate details like expansions, chimney edges, and parapet returns.

Where To Use

Used in curtain walls, foundations, and projects with high tensile requirements, basement walls, balconies, terrace roofs, inclined roofs, water tanks, man-made ponds, retaining walls as well as concrete channels

Specification

No.	Length x Width x Thickness	Upper surface material
1	10mx1mx3.0mm	PE film/ Sand/ Mineral
2	10mx1mx4.0mm	

Technical Data Based For Reference

EN 13707:2004+A2:2009 EN 13969:2004

Item	Index	Test Method
Low temperature flexibility	-23° C,no visual cracks	ASTM D543-20, ASTM D1970
Puncture resistance	≥1000N	ASTM E154/E154M-08a(2019)
Tear strength	≥100N	ASTM D1004-13
Tensile strength	≥3.0Mpa	ASTM D412-16 Method A
Elongation at break	≥30%	ASTM D412-16 Method A

Implemented Standard: GB18242-2008

Item		Index				
		I		II		
		PY	G	PY	G	PYG
Soluble content(g/m²)≥	3mm	2100				--
	4mm	2900				--
	5mm	3500				
	Test phenomenon	--	Non-ignitable	--	Non-ignitable	--
Heat resistance	℃	90		105		
	≤mm	2				
	Test phenomenon	No flowing, no dripping				
Low temperature flexibility/℃		-20		-25		
		No crack				
Water tightness, 30min / MPa		0.3 MPa	0.3 MPa	0.3 MPa		
Tension	Maximum peak(N/50mm) ≥	500	350	800	500	900
	Second peak(N/50mm) ≥	---	---	---	---	800
	Test phenomenon	no crack or separating				
Elongation	Maximum peak rate /% ≥	30	---	40	---	---
	Second peak rate /% ≥	--		--		15

Implemented Standard: Q/SDKS 131-2023

No.	Item	Index	
1	Soluble content g/m ² ≥	3.0m	1200
		4.0m	1600
2	Tension/(N/50mm) ≥	Longitudinal	350
		transverse	350
3	Elongation at maximum tension/% ≥	Longitudinal	25%
		transverse	25%
4	Heat resistance	100℃	
		No slipping, running, dripping	
5	Low temperature flexibility	0℃	
		No cracks	
6	Impermeability	0.3Mpa,30min,impermeable	
7	Seam peeling strength/ (N/mm) ≥	1.0	
8	Thickness of coating layer on the lower surface of the membrane /mm ≥	1.0	

Storage And Transportation

- The storage temperature should be maintained between 5° C and 45° C, avoiding exposure to direct sunlight and rain. Adequate ventilation should be ensured during storage.
- The material should be stored vertically as a single layer. Avoid contact with acids, alkalis, oils, organic solvents, etc.
- Shelf life is 12 months from the date of production under appropriate storage conditions.