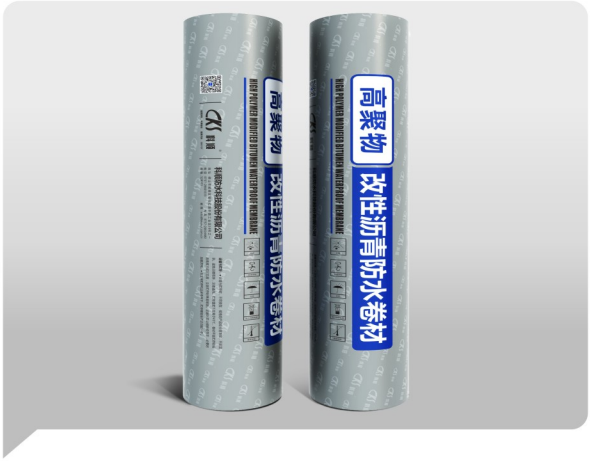
Keshun
Stock Code : 300737

Waterproof for life

AQUATORCH SBS

ELASTOMER MODIFIED BITUMEN WATERPROOFING MEMBRANE



DESCRIPTION

Aquatorch SBS is an elastomer modified bitumen waterproofing membrane.

Aquatorch SBS is a torch on fully bonded waterproofing membrane consisting of raw material which contains butadiene, styrene and TPE as modified materials. Designed and formulated with innovative technology to developed highest polymer modified bitumen waterproofing membrane. Aquatorch SBS provide an excellent barrier from any passage of water between the waterproofing membrane and structure.

Aquatorch SBS consists of –Upper surface layer
Modified bitumen layer
Polyester
Modified bitumen layer
PE film

RECOMMENDED FOR

Lift pit walls, pedestrian walkway, R.C. roof, R.C. wall, plaza deck, terraces, roof garden, landscape areas, etc.

PACKAGING

Aquatorch SBS is available in

- - 3.0mm or 4.0mm thickness.
- - 1m x 10m/roll.

ADVANTAGES

Fully bonded properties, excellent dimensional stability, tear resistance, high elongation, heat resistant, suitable for low temperature applications, toughness with flexibility, simple and economical installation.

APPLICATION PROCEDURES

- **Surface Preparation**

Horizontal installation of **Aquatorch SBS** – Concrete surfaces must be free from any sharp protrusions, oil, grease, clean, dry, stagnant water and other contaminants. Any surface defects shall be repaired with suitable repair methods prior application.

Vertical installation of **Aquatorch SBS** – The membrane will be installed on a smooth, clean and dry and must be free from any sharp protrusions on concrete surfaces. Any surface defects shall be repaired with suitable repair methods prior application.

- **Installation**

Primer Coat – Prime substrate with bitumen primer at the rate of 0.3-0.5 kg/m², subject to substrate conditions.

Unroll the first **Aquatorch SBS** membrane at a specific length after setting out according to site conditions. The membrane is then re-rolled to its original alignment. Slowly unrolled again and whilst unrolling, the torch flame heat up the PE film on the underside of the membrane and be in the direction of the substrate by propane gas at controlled temperature to provides a strong adhesion of the bituminous compound to the substrate. The torched membrane should be in a staggered laying method to avoid a build-up of end joints. The membrane should be aligned against the previously laid sheet allowing for 80-120mm side laps and 80-120mm end laps. Press gently at all joints and overlaps for the fluidity of the melted bitumen compound and smoothen it with a heated round trowel to form a sealing bead.

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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 surfaces.

STORAGE

- **Aquatorch SBS** to be stored in cool and dry place and has a shelf life of 12 months.
- **Aquatorch SBS** must be stored in an upright position.

TECHNICAL SUPPORT

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

SAFETY PRECAUTIONS

We recommend using protective gloves and goggles during installation and strictly comply with the safety requirement at project site.

CLEANING

Clean all tools and equipment and proper housekeeping immediately after complete installation.

TECHNICAL DATA

No.	ITEM		SBS Ⅰ PY PE PE		SBS Ⅱ PY PE PE		SBS Ⅰ PY M PE		SBS Ⅱ PY M PE		TEST METHOD
			3.0mm	4.0mm	3.0mm	4.0mm	3.0mm	4.0mm	3.0mm	4.0mm	
1	Impact resistance (upper surface) N		1550	1750	1500	1700	1050	1450	1200	1700	EN13707:2004+A2:2009Section5.2.2 &EN1849-1:1999
2	Resistance to static	20kg, no leakage	pass	pass	pass	pass	pass	pass	pass	pass	EN 12691 : 2006 method
3	Resistance to Tearing, N	MD	—	329	290	306	248	302	243	285	EN 13707: 2004+A2:2009 &EN 12730:2001 method A
		CD	—	308	303	297	258	277	245	290	
4	shear strength, N/50mm		880	878	835	840	838	638	1040	757	EN 12691 : 2006 method
5	Maximum Tensile Force, N	MD	1464	1405	1281	1342	1220	1246	1240	1245	EN12317-1:2000
		CD	1171	1096	1077	1164	1141	1128	1063	1089	
6	Elongation at Break, %	MD	73	70	70	67	66	72	66	70	EN13707:2004+A2:2009Section 5.2.10 &EN12311-1: 1999
		CD	80	78	69	81	76	77	72	76	
7	Water tighness (upper side)		60kPa, No water penetration throughto the upper filter paper	-	60kPa, No water penetration throughto the upper filter paper	-	60kPa, No water penetration throughto the upper filter paper	-	60kPa, No water penetration throughto the upper filter paper	-	EN 1928: 2000 method A
8	Flexibility at low temperature		-20℃ no crack	-20℃ no crack	-25℃ no crack	-25℃ no crack	-20℃ no crack	-20℃ no crack	-25℃ no crack	-25℃ no crack	EN 1109: 2013

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