

SAM-921

Self Adhesive Rubber Bitumen Waterproof Membrane

Description

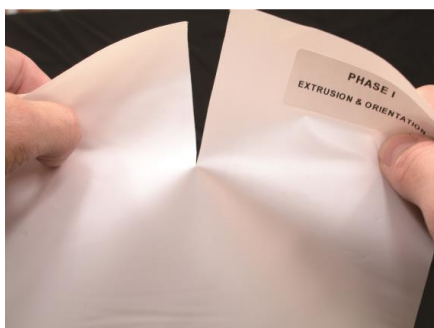
SAM-921 is a wet laid cross laminated shelf adhesive waterproof membrane, processed by advanced and compound technology. It is covering with American Valéron® high tensile cross polyethylene film as upper surface materials, using a high seamless adhesive which adhere strongly to concrete as bonding seamless layer, underside with isolated paper which can remove easily.

Where to use

- Unexposed roof system;
- Basements and indoor projects;
- Subways and tunnels ;
- Water pools and drains;
- Open fires forbidden construction areas;

Advantages:

- Self adhesive,
- High performance of Anti puncture; using American Valéron® high tensile cross polyethylene film as upper surface materials
- High resistance to tear, excellent flexibility and elongation;
- Stable in maintenance, excellent performance even in low temperature;
- Bonding tightly with concrete mortar;
- Strong flexibility of the adhesive adapts well to substrate conditions;
- No require of priming, nor hot-melt construction, no additional substrate preparation needed, easy apply and safe, environment-friendly;



Normal film is very fragile to tear and break



SAM-921 Valéron® film has strong resistance to tear even at cracks

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Specifications

SAM-921 divided to type I, and type II according to its performance;

thickness, mm	1.2	1.5	2.0
width, m	1.0		
length, m/roll	20		15

The thickness can be customized according to clients' requirements;

Typical properties

item		specifications	
		I	II
Elongation	Tensile strength/ (N/50mm) \geq	150	200
	Elongation rate at maximum tension/% \geq	30	150
Peel strength/N \geq		12	25
Resistance to heat, 70°C, 2h		No shifting, flowing, dripping	
Flexibility at low temperature/°C		-15	-25
		No cracking	
Water resist		0.3MPa, 120min watertight	
Peel strength between membranes/ (N/mm) \geq	Non-processing	1.0	
	Heat process	1.0	
Resistance to oil \leq		2	
Continuous bonding/min \geq		15	
Peel strength to concrete mortar/ (N/mm) \geq	Non-processing	2.0	
	Heat process	1.5	
Peel strength to concrete mortar after water immerse /		1.5	
Heat resistance (70°C, 168h)	Tension maintenance/% \geq	90	
	Elongation maintenance/% \geq	80	
	Low temperature performance/°C	-13	-23
		No cracking	
Thermal stability	Appearance	No bubble, flowing	
	Size change /% \leq	2.0	

Standards: GB/T23457-2009

Application

Procedures of application :

Substrate preparation→ joints processing→ mix cement mortar→ apply mixed cement mortar →laid the membranes→roller to push the air out→application on protection layer

The recommended ratio of cement mortar mixture is: cement : mortar : water 1:2:0.4,

Some of the water can be added according to the underground water level and the substrate condition;



Substrate preparation



apply mixed cement mortar



lay the membranes



finish

Package; transportation and storage

Packed in rolls with plastic tapes and woven bags;

Storage and transportation: avoid direct sunlight and rain, place in cool rooms, stand placing ,do not stack the membranes . The temperature should not exceed 45⁰C, do not stack more than two layers membranes during transporting, avoid inclining or side pressing, cover with tarpaulin if necessary.