卓宝科技
JOABOA TECH

Bondsure® S-CLF Super Tensile Strength Cross Laminated Film Self-adhesive Waterproofing Membrane



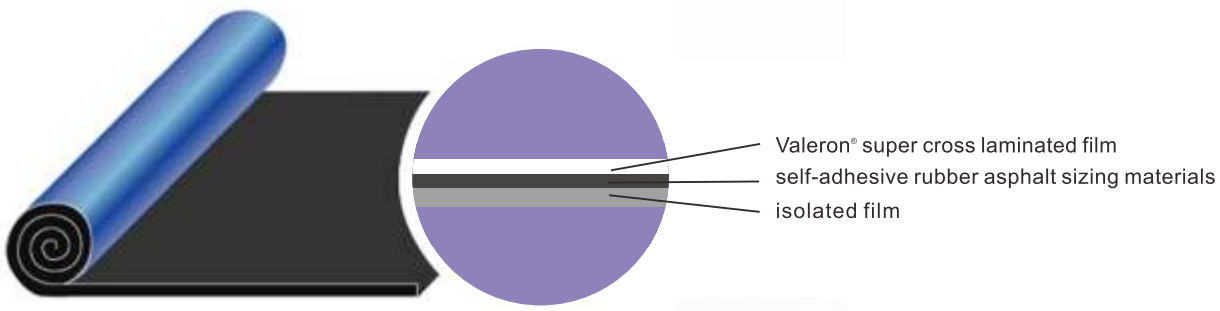


SHENZHEN JOABOA TECHNOLOGY CO.,LTD.

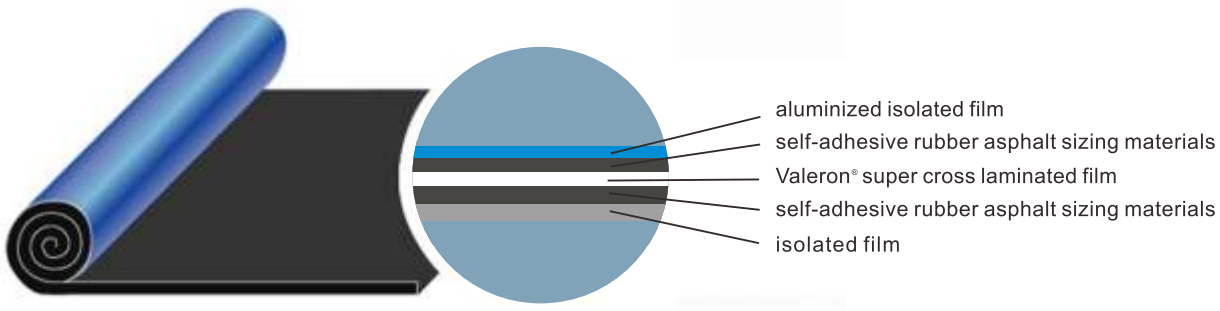
PRODUCT DESCRIPTION

S-CLF Waterproofing Membrane is mainly composed of imported Valeron®II cross laminated film, high performance self-adhesive rubber asphalt sizing materials and isolated film. It includes three types: single side type(NS), double side type(ND) and pre-application type(YC). Its tensile strength and tear resistance performance is 2-3 times higher than traditional self-adhesive membranes.

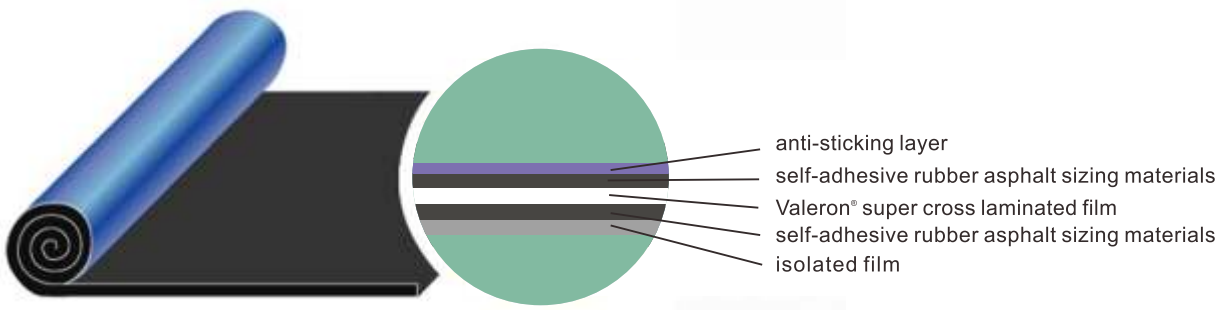
Bondsure® S-CLF Super Tensile Strength Cross Laminated Film Self-adhesive Waterproofing Membrane



S-CLF (NS TYPE)

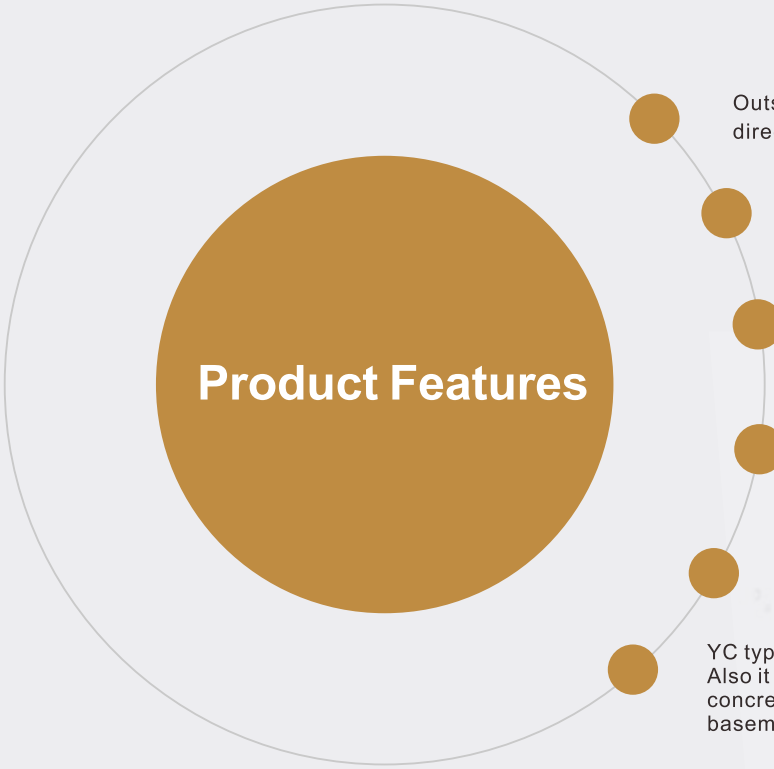


S-CLF (ND TYPE)



S-CLF (YC TYPE)

Product Features



- Outstanding tensile strength and tear resistance in all directions to withstand basement deformation.
- Excellent thermal stability, grey white surface can reflect UV.
- 4-layer cross laminated films supplied by Valéron®, better dimensional stability, no warping and wrinkle.
- Reliable, strong and long-lasting bonding performance between membranes and substrates, no fluid-channeling, very convenient for the repair and maintenance.
- Under the same physical performance, membranes will be much lighter and thinner when compared with traditional ones, which make them more convenient and faster for construction.
- YC type with anti sticking layer can solve the foot sticking problem. Also it is penetrating resistance. And it can bond to the later poured concrete firmly to achieve "Skin type" waterproofing during basement application.

Specifications

Types	Thickness(mm)	Width(m)	Length(m)
YC	1.5	1	15、20、25
ND NS	1.2、1.5、2.0		

Performance Index

No.	Item		Index	
			YC	ND/NS
1	Core Material Thickness (mm) ⩽		0.3mm	
2	Tension (N/50mm)⩾		500	
3	Elongation at Maximum Tension (%)⩾		200	
4	Nail Rod Tear Strength (N)⩾		300	
5	Thermal Resistance		70℃, sliding no more than 2mm	
6	Low Temperature Flexibility		−25	
7	Impermeability		0.3MPa, impermeable within 120mins	
8	Peel Strength between Membrane and Membrane (N/mm)⩾	No treatment	—	1.0
		Heat treatment	—	1.0
9	Nail Rod Water Tightness		—	Approval
10	Oil Permeability , paper pieces ⩽		2	
11	Holding Power/min ⩾		—	20
12	Puncture strength (N)⩾		200	
13	Static Load		20KG, no leakage	—
14	Anti-channeling Property		0.6MPa, no channeling	—
15	Peel Strength with upper concrete layer (N/mm)≥	No treatment	2.0	—
		Cement pollution surface	1.5	—
		Silt pollution surface	1.5	—
		UV aging	1.5	—
		Thermal aging	1.5	—
16	Peel strength with later poured concrete layer after water immersion (N/mm)⩾		1.5	—
17	Peel strength with cement mortar	No treatment	—	2.0
		Thermal aging	—	1.5
18	Thermal aging (70℃, 168h)	Tension Retention Rate (%) ⩾	90	
		Elongation Retention Rate (%) ⩾	80	
		Low Temperature Flexibility	−23℃	
19	Thermal Stability	Appearance	No wrinkle, sliding, or flowing	
		Dimensional Stability (%) ⩽	1.0	

Construction Process

NS/ND Type

Substrate Shot Blasting Treatment

Brush Primer Agent

Heat Tubiding Rubber Bitumen Waterproofing Coating

Reinforement Treatment on Joints Parts

Snap the Construction Lines

Test Pave Membranes

Apply Waterproofing Coatings & Membranes

Overlapping and Sealing Treatment

Edge Treatment

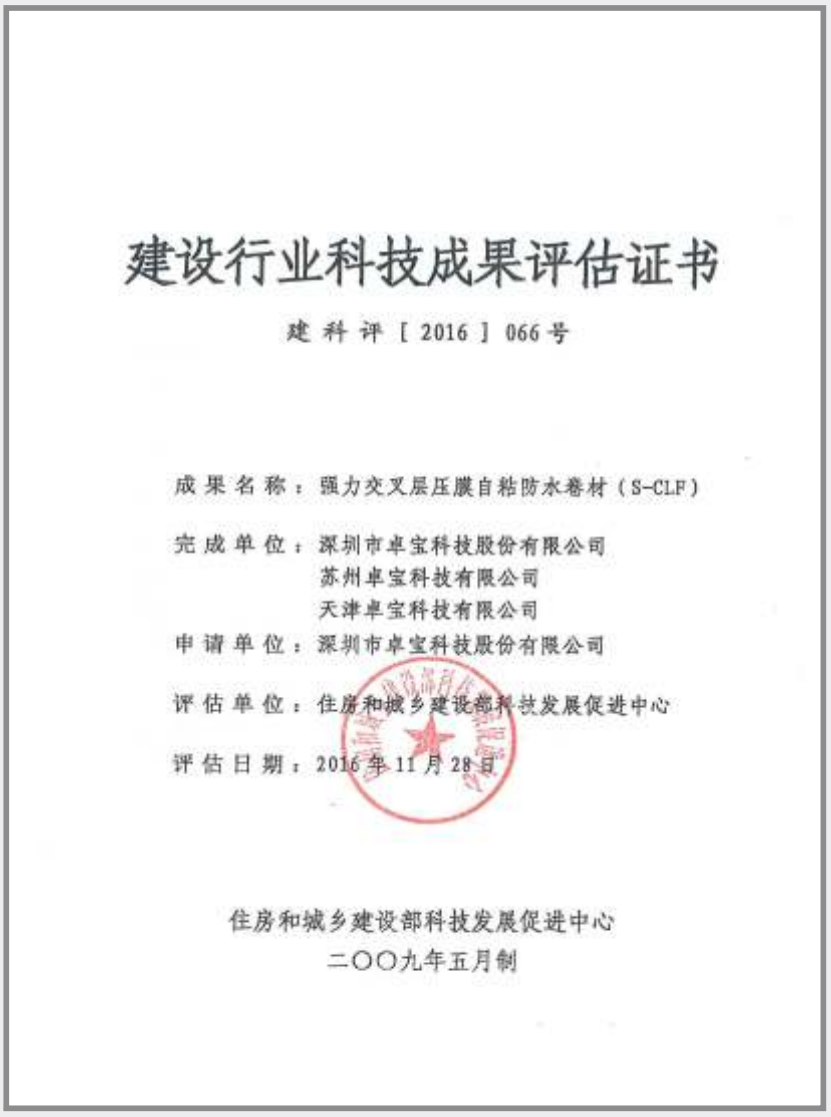
Pre- applied Construction Process(YC Type)

Substrate Preparation:

1. Base level maintenance meets up with designed and standard requirements. Before building waterproofing construction, it's a must to get quality acceptance of last step project.
2. All pipe fitting should be pre-covered as designed and standard requirements, and to be seal treated.
3. The substrate should be clean and smooth, no obvious protruding parts.
4. The internal and external corners of substrate should be treated into circular arc shape with wet cement first. The min radius of internal corners is 50mm and the max radius of external ones is 20mm.
5. There is no visible water on the substrate during construction. Should clean it up if there is some before application.

Evaluation Certificate

S-CLF has been approved by the Evaluation Committee of Science and Technology Development Promotion Center of Ministry of Housing and Urban-Rural Construction.



建设行业科技成果评估证书

建科评[2016]066号

成果名称：强力交叉层压膜自粘防水卷材（S-CLF）

完成单位：深圳市卓宝科技股份有限公司
苏州卓宝科技有限公司
天津卓宝科技有限公司

申请单位：深圳市卓宝科技股份有限公司

评估单位：住房和城乡建设部科技发展促进中心

评估日期：2016年11月28日

住房和城乡建设部科技发展促进中心

二〇〇九年五月制

Application Scope

Mainly for industrial and civil construction projects, like, basements, roofs, underground corridors, and tunnels, etc.

Construction Attention

1.Please keep the surface of membranes clean.

2.Avoid prolonged sun exposure without protection.

Storage and Transportation

- Stacking different types and specs membranes separately.
- Avoid sun and rain, pay attention to ventilation.
- Storage temperature should not be higher than 45℃.
- Flat stacking the membranes with no more than 5 levels.
- Under the normal storage and transportation, the storage period is one year from the date of production.

Shenzhen Materials Plant
Responsible Area: South China
-Established Date: June 1999
-Factory Area: 30,000 m2
-Annual Output of Waterproofing Membranes: 10 million m2
-Annual Output of PU Waterproofing Coatings: 15,000 tons.
-Annual Output of Water Based Waterproofing Coatings: 8000 tons.

Suzhou JOABOA
-Responsible Area: East China
-Established Date: November 2007
-Factory Area: 34,000 m2
-Annual Output of Waterproofing Membranes: 20 million m2
-Annual Output of PVC/TPO Waterproofing Sheets: 5 million m2

Wuhan JOABOA
-Responsible Area: Central China
-Established Date: September 2007
-Factory Area: 50,000 m2
-With the use of USA GE Company automatic control system
-Annual Output of PU Waterproofing Coatings: 15,000 tons
-Annual Output of Water Based Waterproofing Coatings: 5000 tons

Hubei JOABOA
-Responsible Area: Central China
-Established Date: March 2010
-Factory Area: 40,000 m2
-Italy Imported Production Equipment JF100B Polyurethane Compound Board Continuous Production Line.
-Annual Output of Polyurethane Composite Board: 2 million m2.

Chengdu JOABOA
-Responsible Area: Southwest China
-Established Date: July 2010
-Factory Area: 33,307.8 m2
-Annual Output of Waterproofing Membranes: 15 million m2

Tianjin JOABOA
-Established Date: 2015
-Add: Road 24, South Area, Jinghai Economic Development Zone, Tianjin
-Phone: 022-59003580
-Zipcode: 301600

Foshan JOABOA
-Established Date: 2016
-Add: F1, No. 73-1, North Area, International Torch programme Foshan Electronic and Electrical Industry Base, Baini Town, Sanshui Area, Foshan City, Guangdong Province
-Phone: 0757-87267138
-Zipcode: 528100

Huizhou JOABOA
-Established Date: 2016
-Add: Lidong Industrial Park, Jiutan, Yuanzhou Town, Boluo County, Huizhou City, Guangdong Province, China
-Phone: 0725-6981176
-FAX:0752-6981176
-Zipcode: 516129