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卓宝科技
JOABOA TECHNOLOGY

CLF

贴必定® (*Bondsure*)

**CROSS LAMINATED FILM MACROMOLECULE
SELF-ADHESIVE WATERPROOFING MEMBRANE**

Ver:20170418



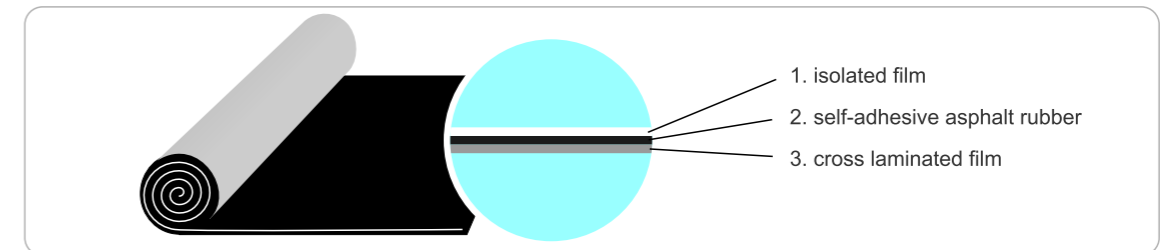
贴必定® (Bondsure)

CLF CROSS LAMINATED FILM

Macromolecule Self-adhesive Waterproofing Membrane

Product Introduce

JOABOA continued to use "skin" type waterproof thought, Imported cross laminated film and high performance formula self-adhesive asphalt rubber, and combined into high performance and cold operation self-adhesive waterproof membrane. The membrane is a kind of tensile, elongation and tears resistance stronger without matrix self-adhesive waterproof membrane, which has excellent resistance to UV and stability.



Product Feature

◆ Excellent Physical Performance

With excellent physical performance, especially its high tear strength and dimension stability, highlight the material adaptability of the construction environment.

◆ Bonding Reliable, Easy to Maintenance

Waterproof membrane is bonded to structure strongly. The membrane appears any partial destruction, the water can be restricted in a small range, without fluid-channeling. Even if a few leakage, leakage points will also match with breakdown point, easy to maintenance.

◆ Unique Self-healing

With unique self-healing, automatically heal small cracks, hanging a tile roof more magic.

◆ Simple and Efficient Construct

According to field condition, using wet or dry application process, construction becomes simple and efficient.

◆ Unique Wet-application Technology, Greatly Saving Time for Projects

Wet weather or even not leveling substrate can construct, no bottom coating, with high freedom, and not affected by the weather. The rainy season construction, advantage is more outstanding, which is the guarantee construction period of the most powerful "weapon".

◆ Safe and Environmental Protection

Save solvent and fuel in the construction process, avoid the environmental pollution and fire hazard, and save the resources.



common HDPE film gap is easy to tear



cross laminated film gap is hard to tear

Application Range



Mainly be applied for basements, roofs and other parts of industrial and civil constructions

Specification and Dimension

Thickness (mm)	Width (mm)	Length (m)
1.2	1000	20
1.5	1000	20
2.0	1000	20

Performance Index

A type

GB 23441-2009

NO.	Item	Index		
		I	II	
01	Tensile property	Tensile strength/ (N/50mm) \geq	150	200
		Elongation at break with maximum tension/ % \geq	200	
		Asphalt elongation at break/ % \geq	250	
		Phenomenon	Stretching process, no separation phenomenon between asphalt coating cover layer and membrane before the membrane ruptures.	
02	Nail rod tear strength \geq	60	110	
03	Heat resistance	70 °C sliding no more than 2mm		
04	Low temperature flexibility/ ° c	-20	-30	
		No crack		
05	Impermeability	0.2mpa impermeability within 120mins		
06	Peel strength/(n/mm)	Membrane and membrane	1.0	
		Membrane and aluminium sheet	1.5	
07	Nail rod water tightness	Pass		
08	Oil permeability/piece \leq	2		
09	Holding power \geq	20		
10	Thermal aging	Tension retention \geq	80	
		Elongation at break with maximum tension/ % \geq	200	
		Low temperature flexibility/°c	-18	-28
		No crack		
11	Thermal stability	Peel strength membrane and aluminum sheet \geq	1.5	
		Appearance	Nodrum, creases, sliding, flowing	
		Dimensional change \leq	2	

Performance Index

B type

GB/T 23457-2009

NO.	Item	Index		
		I	II	
01	Tensile property	Tension/(n/50mm) \geq	150	200
		Elongation at break with maximum tension/% \geq	30	150
02	Tear strength/n \geq	12	25	
03	Heat resistance	No displacement, flowing, drip		
04	Low temperature flexibility/° c	-15	-25	
		No crack		
05	Impermeability	0.3mpa impermeability within 120min		
06	Peel strength membrane and membrane/(n/mm)	No treatment	1.0	
		Heat treatment	1.0	
07	Oil permeability/per \leq	2		
08	Holding power/min \geq	15		
09	Peel strength with cement mortar/(n/mm)	No treatment	2.0	
		Heat treatment	1.5	
10	Peel adhesion with cement mortar after immersion/(n/mm) \geq	1.5		
11	Thermal aging (70° c/168h)	Tension retention/% \geq	90	
		Elongation retention \geq	80	
		Low temperature flexibility/° c	-13	-23
		No crack		
12	Thermal stability	Appearance	Nodrum, creases, sliding, flowing	
		Dimensional change \leq	2.0	

Storage and Transportation



1. Storage and transport, different types and specifications of the product should be piled up respectively, not be mixed.
2. Avoid sun and rain, pay attention to ventilation, storage temperature should not be higher than 45°C
3. Membranes should be flat during transport and storage, flat stacking height not more than five levels.
4. Under the normal storage and transport conditions, storage period is one year from the date of production.

Application method

Wet-application



Clean Up And Wet Substrate

Root out and clean up surface protrusions before waterproof operation, wet in advance



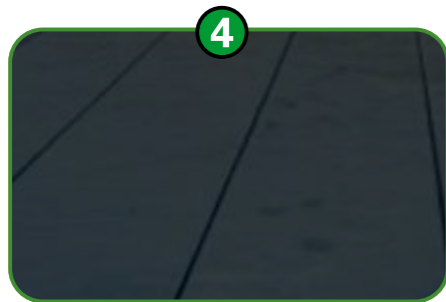
Brush Cement Mortar

Wipe the mixture cement mortar on the base.



Spread and Paste Membrane

Peel The Isolating Film Below Of Membrane, Then Spread The Membranes On The Cement Mortar.



Exhaust, Adhesive

Exhaust air at the bottom of the membrane, while adhere the adjacent membrane overlap side firmly.

PS: When membranes use overlap side, the second level membrane operate by dry application.

Application Method

Dry-application



Clean Up Substrate



Application Base Treating Agent



Spread and Paste Membrane



Complete Lap Joint

Typical Projects



Manufacturing Bases



Shenzhen Material Factory

Suzhou JOABOA

Wuhan JOABOA

Chengdu JOABOA



Hubei JOABOA



Tianjin JOABOA



Foshan JOABOA



Huizhou JOABOA