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卓宝科技
JOABOA TECH

Macromolecular Adhesive Composite 贴必定®（Bondsure）

Non-asphalt Macromolecule Self-Adhesive Waterproofing Membrane




Company Profile

SHENZHEN JOABOA TECH GROUP(hereinafter referred to as JOABOA TECH) is a system supplier of functional construction materials, as well as to undertake decoration & insulation and waterproofing projects. JOABOA TECH is established in 2001, whose headquarter is located in Shenzhen, till now it has 8 production bases, 31 wholly-owned subsidiary companies.

JOABOA TECH's product ranges cover several categories and dozens of types in total, including, construction waterproofing, decoration & insulation, siphon drainage, drainage on the same floor and product series specialized for family use. Among these products, 30 national patents belong to JOABOA TECH.

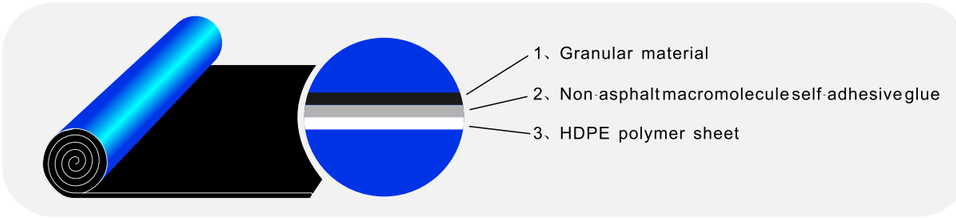
JOABOA TECH takes the lead in bring in self-adhesive waterproofing membranes from overseas, and firstly puts forward the SKIN-TYPE waterproofing theory in China. New construction methods like wet application & pre-application are JOABOA TECH's own contribution to Chinese waterproofing industry. As the representative brand of Chinese self-adhesive waterproofing membranes, the annual sales of this type of materials has ranked Top 1 for over 16 years.

In 2014, JOABOA TECH has launched a brand new waterproofing system, named as ZERO DEFECT SUPER BONDSURE® WATERPROOFING SYSTEM, which is a super waterproofing system focused for middle and high-end market. By combining each process in the waterproofing project and bring in the engineering insurance, this system must become JOABOA TECH's another contribution to the society which will greatly help to solve the problems regarding energy conservation and environment protection and leakage issues.

JOABOA TECH, building the splendid home with you!

Product Introduction

JOABOA Bondsure® MAC Non-asphalt HDPE Macromolecule Self-Adhesive Waterproofing Membrane is a composite sheets made of thick polyethylene(HDPE) film as the main waterproof layer, aggressive pressure sensitive adhesive and fine sands as surface material. It can be tightly bonded with later poured concrete, which can eliminate fluid-channeling between the waterproofing membrane and main structure, and form into a reliable Skin-type waterproofing system. It has a wide application scope and is widely applied in underground projects.



Product Features

- **Pre-applied Construction Method**
  Bonded with later poured concrete as an integration system, which is impermeable even under permanent immersion situation.
- **Reliable Bonding Strength, Convenient for Maintenance**
  Waterproofing membrane is bonded to structure tightly. Even if there is some leakage points, it will always match with breakdown point, which is quite easy for repair and maintenance.
- **Low Requirements for the Conditions of Substrate, Time-saving**
  Simple and fast application, no primer and protection needed.
- **Safe and Environment-friendly**
  During construction, no flame or chemicals needed, safe and energy-saving.
- **Excellent Physical Performance**
  Excellent properties of tensile strength, elongation, root-resistance, weather resistance, high adaptability of deformation on the substrate, strong self-healing ability, good resistance for alkali water from concrete, etc.
  Highest Cost-performance Skin-type waterproofing system can be built with later poured concrete structure. Traditional cement screed-coat for leveling layer and fine aggregate concrete protective layer can be removed, thus to greatly reduce overall construction cost.

Application Scope

Mainly applicable for underground waterproofing projects like, basement roof, basement side walls, subways, tunnels and other projects which have high standards for the waterproofing effect, etc.



Specifications

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

Note: Other specification can be offered according to the agreement between buyers and supplier.

Technical Index

Standards: GB/T 23457-2009(Pre-application)

No.	Test Item		Index
			P-type
1	Tensile Property	Tensile Strength(N/50mm), ≥	500
		Elongation at Break, ≥	400
2	Nail Tear Resistanc, /N ≥		400
3	Impact Property		Diameter(10±0.1mm), no leakage
4	Static Load		20 Kg, no leakage
5	Heat Resistance 70°C, 2h		No wrinkles, no slipping, flowing, dripping
6	Low Temperature Flexibility/° C		-25°C, no crack
7	Water Impermeability		0.6 MPa, no fluid-channeling
8	Peel Strength with Post-cast Concrete N/mm, ≥	No treatment	2.0
		Surface polluted with cement power	1.5
		Surface polluted with sands	1.5
		UV Aging Treatment	1.5
		Heat Aging Treatment	1.5
9	Peel Strength with Post-cast Concrete after Immersion in Water N/mm, ≥		1.5
10	Heat Aging Test 70°C, 168h	Retention Rate of Tensile Strength, /% ≥	90
		Retention Rate of Elongation, /% ≥	80
		Low Temperature Flexibility, /% ≥	-23°C, no crack
11	Thermal Stability	Visual Test	No wrinkles, no slipping, flowing, dripping
		Dimension Change Rate /%, ≤	2.0

Storage and Transportation

- Products in different types or specifications should be piled up separately, not mixed;
- Prevent it from contacting with acid, alkali, oil and organic solvent.
- Keep products dry and ventilated, avoid being exposed under sun and rain. Storage temperature should not be higher than 45°C;
- Pile up the membranes flatwise, whose stockpile height never exceeds five layers. Prevent the membrane from tilt or transverse pressure during transportation.
- Under normal storage and transportation conditions, storage period is one year from the date of production.

Construction Technology(Border Adhesion Method)

Substrate Preparation:

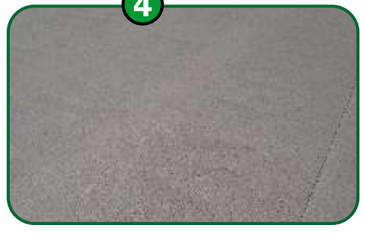
Clean up rubbish on the surface of substrate by shade, besom and other tools. If there is visual water, it should be wiped. It's essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 12mm. Grout around all penetrations such as utility conduits, etc. for the sake of stability.

Membrane Installation

The standard position of membrane should be confirmed by snapping line on the substrate. Put the layer of self-adhesive sizings above, and the layer of HDPE sheet down. To apply the first roll of membrane based on the standard line, then apply the second roll. During application, membrane should not be draggled too much. The alignment of membranes should be done with standard line in case of any deviation beyond repair.

Overlapping Edge Treatment on Short and Long Sides

The overlapping edge treatment on long sides should use self-adhesive method by removing the isolated film, adhering, grinding and exhausting them. For the treatment of short side overlapping edges, to put the double sides self-adhesive adhesive tape on the lower surface between the joint of two membranes. To grind or weld the auxiliary HDPE overlapping bar between the joint of two membranes.



Check and Acceptance

Production Base






Landmark Projects