



Underground



Tunnel



Roof

Joaboa Tech, pioneer of
high quality waterproofing system.



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Non-curing Rubber Bitumen Waterproofing Coating

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Product Introduction

Non-curing rubber bitumen waterproofing coating is made of rubber, bitumen and additives, which always remains viscous during application. The product is supposed to be heated in site to flowing state, then brushed or sprayed on the substrate to form a waterproofing layer with strong cohesion, excellent creep property and self-healing. It is both a waterproofing layer and a bonding layer as well.



Features

1. Never curing: always maintains a viscous paste, creep property, never curing after application and able to resist the substrate deformation.
2. Lasting bonding: the material remains viscous after application and the bonding effect is long lasting.
3. Durable seal: always creep, ensuring the durable seal to the substrate.
4. Strong adherence: it can be bonded with all kinds of substrate surface and sheet membrane, and has high bonding strength.
5. Double function: not only a waterproofing layer, but also an excellent bonding layer.
6. Strong self-healing: even if the waterproofing layer is damaged during application, it can be self-healing to maintain a complete waterproofing layer.
7. Wide using range: it can be applied in normal temperature, low temperature and high temperature environment, and the bonding strength can be reached instantly.
8. Convenient construction: you can choose to brush or spray during application which is convenient and quick and can be applied to the design thickness at one time.

Scope of Use

Suitable for waterproofing parts such as basement, roof and tunnel (open cut) for industrial and civil buildings.

Package: 20kg/barrel

Recommended Usage

2.0mm thickness coating, 2.5kg/m² is recommended (depending on the flatness of the base)

Construction Method



1
Clean the base to make it flat, solid, free from dust and no water.



2
Apply primer.



4
Strengthen the treatment of the joints with coating and fiber mesh.



3
Start the supporting heating equipment and heat the non-cure rubber bitumen waterproofing coating to the flow state.



5
Pour the fluid coating on the substrate surface and brush according to the design requirements.



6
When there is composited with the waterproofing membrane on the top, the waterproofing membrane should be paved while brushing waterproofing coating.

Notes

1. The heating temperature and the coating temperature of this material are high. The construction personnel should wear the necessary labor protection tools (such as gloves) to avoid high temperature burning.
2. The material is a creep solid at regular temperature, so it must have good application performance at a suitable temperature. If the unfinished coating's temperature decreases during application, it shall be reheated.
3. When reinforcement material is needed, it is better to pave before the bottom coating cools. The surface coating can be brushed immediately after paving.
4. When the coating is only used as waterproofing layer alone, non-woven fabric or asphalt felt should be paved as an isolated layer after brushing coating. Then protective layer can be carried out.
5. The heating limit temperature is 200°C and the heating cannot be sustained for more than 30 min.

Performance Index

Standard: JC/T 2428-2017

Number	Item	Technical Index	
1	Flash Point / °C	≥ 180	
2	Solid Content	≥ 98	
3	Bonding Property	Dry Surface	100% Cohesive Failure
		Wet Surface	
4	Elongation/mm	≥ 15	
5	Low Temperature Flexibility	-20°C , no crack	
6	Heat-resistance	65	No flow, sliding, dripping
7	Thermal Resistance/°C	Elongation/mm	≥ 15
		Low Temperature Flexibility	-15°C , No Crack
8	Acid-resistance (2%H ₂ SO ₄ solution)	Appearance	No Change
		Elongation/mm	≥ 15
		Weight Change/%	±2.0
9	Alkali Resistance [0.1%NaOH+ saturated Ca(OH) ₂ solution]	Appearance	No Change
		Elongation/mm	≥ 15
		Weight Change/%	±2.0
10	Salt Tolerance	Appearance	No Change
		Elongation/mm	≥ 15
		Weight Change/%	±2.0
11	Self-healing	No leakage	
12	Oil Penetration /piece	≤ 2	
13	Stress Relaxation/%	No Treatment	≤ 35
		Thermal Aging (70°C , 168h)	
14	Anti-water channeling/0.6MPa	No water channeling	

Package & Transportation



1. Protect from rain, exposure, extrusion, collision and keep the package intact during transportation.
2. The product shall be stored in a cool, dry and ventilated place to prevent direct sunlight. The storage temperature shall not exceed 40 °C.
3. Under normal storage and transportation conditions, the storage period is 12 months from the date of production.