



JH -N200

**APP Modified Bituminous
Waterproofing Membrane**

PRODUCT INTRODUCTION



This Type of membrane is manufactured by special customized premium asphalts, with APP, APAO, APO and resin as its modifier and reinforced by polyester base cloth. The structure of it consist of polymer modified bitumen materials, middle reinforcement cloth and some surface cover materials.

PRODUCT FEATURES



1. High elongation ability, stable and good adaptability to concrete transform or crack.
2. Excellent ability of high and low temperature resistance, especially suitable for hot area.
3. Great ability of puncture resistant, tear resistant and abrasive resistant.
4. Easy to construct, can be constructed anytime by fire torch, very reliable.

SCOPE OF APPLICATION



1. Industrial and civil roofing construction, such as insulation roofs, planted roofs, roof parking lots and inverted roofs, etc.
2. Industrial and civil underground construction, indoor swimming pools, fire reservoirs, etc.
3. Tunnels, subways, concrete bridges, sewage plants and refuse landfills, etc.
4. Water conservancy facilities such as pools and water channels, etc.

APPLICATION METHOD



1. Check and clean the concrete before paving. Use dust collector or blower to help clean the corners if needed.
2. Primer Brush: Remember the primer should be brushed evenly on the substrate.
3. Detail Processing: After the primer dries, should deal with those sections where need to do extra waterproof layer according to the relevant specification and requirement.
4. Pave the membrane from middle to both ends of the concrete. Pave on the wall should fix the end at the bottom first, and then roll the membrane from low to high by fire torch method. Spray gun should keep the distance of 30cm to the membranes while heating. Rolling and pressing the membranes with tools while heating, make sure the membrane completely stick to the concrete.
5. The width of connecting Joint should be over 100mm. Those connecting area must be heating with as well until the bitumen of joints natural dripping.

SPECIFICATIONS



Thickness (mm)	3.0	4.0	5.0
Length/m	10	10	10
Width/mm	1000		

According to different standards, this membrane can be divided into different types.
Reinforcements: polyester(PY), glass fiber(G), glass fiber reinforced polyester (PYG)
Surface materials: polyethylene film(PE), fine sand(S), the mineral aggregate(M)
Physical and mechanical properties: TYPE I and TYPE II

TECHNICAL DATA



Performance standard GB 18242-2008

Item		Index				
		I		II		
		PY	G	PY	G	PYG
Soluble Content (g/m ²) ≥	3mm	2100			-	
	4mm	2900			-	
	5mm	3500				
Heat resistance	°C	110		130		
	≤ mm	2, No slipping or dripping				
Low temperature flexibility/°C		-7		-15		
		no crack				
Water impermeability(30min)		0.3MPa	0.2MPa	0.3MPa		
Tension	Maximum tension(N/50mm) ≥	500	350	800	500	900
	Secondary maximum tension (N/50mm) ≥	-	-	-	-	800
Elongation rate	Maximum elongation rate/% ≥	25	-	40	-	-
	Secondary maximum elongation rate/% ≥	-		-		15
Increased quality after immersion /% ≤	PE\S	1.0				
	M	2.0				

NOTES



1. Don't construct in Rainy, snowy or high windy(>5 level) days.
2. Construction temperature should be above 0°C.
3. Protect the membranes from getting wet in rainy days.
4. When heating, flame spraying guns should maintain a proper distance with the membranes and should heat them evenly. Overheating should be prevented.
5. Safety precautions are necessary and fire equipment should be placed properly.

PACKING, STORAGE AND TRANSPORTATION



1. Different types or specifications should be separated. Keep them dry and ventilated, out of the sun or rain.
2. Storage Temp. Should be within 5~45 Celsius degree,
3. Prevent it from inclination or lateral pressure. If necessary, cover it with felt-cloth.
4. Storage time: 1 year under normal operation of storage.
5. Membranes should be piled upright with only ONE layer.



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