

Polymer Modified Bitumen HDPE Reinforced Waterproof Membrane

Description

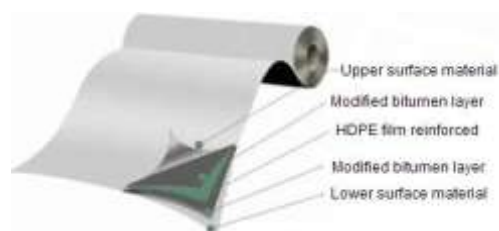
The polymer modified bitumen waterproof membrane uses premium raw materials and is reinforced with HDPE film, finished with PE film on the upper and lower surfaces. It has strong elongation and anti-corrosion abilities, suitable for deformation and vibration buildings, and acidic and alkaline environments. The HDPE reinforcement has excellent compactness, suitable for using at planting and heavy water vapor areas.

Features

- ◆ Excellent adaptability to deformation and cracks, Strong puncture resistance
- ◆ Superior impermeability and cold flexibility, elasticity and compactness
- ◆ Excellent elongation and recovery properties, anti-corrosion and aging resistance
- ◆ Good ageing and weathering resistance
- ◆ Pollution free, no toxic, easy to use

Uses

- ◆ Non exposed roofs
- ◆ Underground structures of residential, commercial, and industrial buildings
- ◆ Parking lots, reservoirs, swimming pools, sewage treatment plants
- ◆ Highway, airports, railway, bridges, tunnels



Products specification

Reinforcement	Thickness(mm)	Width(mm)	Length (m)	Lower/Upper surface materials
HDPE film	3,4	1000	10	Polyethylene film (PE)

Technical Data: Executive Standard GB18967-2009

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1	Tensile properties	Tension, N/50mm \geq	longitudinal	200
			transverse	
		Elongation at break, % \geq	longitudinal	120
			transverse	
2	Thermal resistance, 90°C \times 2h		No dripping, no blister	
3	Low temperature flexibility, -20.°C		No crack	
4	Imperviousness, 0.4MPa *30min		Impermeable	
5	Dimensional stability, 90°C, % \leq		2.5	
6	Bitumen layer thickness at lower side, mm \geq		1.0	
7	Thermal ageing	Tension at longitudinal direction, N/50mm \geq	200	
		Elongation at longitudinal direction break, % \geq	120	
		Low temperature flexibility, -10°C	No crack	

Packing

Roll size: 1m x 10m or customized
Rolls per pallet: 25 rolls/pallet more or less

Application instructions

Surface Preparation: Substrates need to be clean, smooth, dry (Moisture <9%), no grit and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the membrane. All surface voids greater than 5mm width, shall be properly filled with an acceptable fill material and level it.

Priming: Prior to membrane laying, substrate treating agent need to be brushed evenly and completely cover all laying places.

Application: For adhesion between membrane and substrate or membranes, it can use hot melt method or cold adhesion method. According to application designs and specific applied parts, it can be applied by fully adhered method, strip adhered method and border adhered method. There should be side laps of 100mm and end laps of 150mm. Overlaps shall be sealed by torch, a thorough inspection is required after application to insure there is no air bubble, no falling away and etc.

Storage

Inclination and lateral placement during transportation should be avoided. Be stored in well-ventilated places protected from sunlight and raining. The temperature in stored areas can not be higher than 50° C. It can not be put in more than two levels. If packed by cartons, it can not be put in more than five levels.

The normal shelf life is 1 year.

Safety precautions

Do not work in a rainy or snowy day, or heavy wind (above 5 grade); Unsuitable for installation when ambient temperature below 0°C.

If it rains or snows in the construction, protective action to the laid membrane is a must.

Safety protection facilities and articles shall be well prepared, fire-fighting equipment shall be deployed according to regulations.