

Three Dimensional Colorful APP Modified Bitumen Membrane

Description

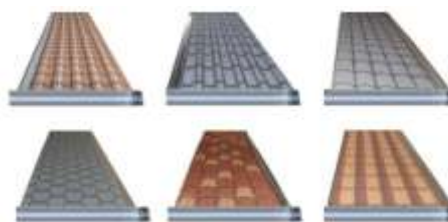
The dimensional colorful membrane is made from polyester (PE) felts coated with a layer of modified bitumen by an APP (Atactic Polypropylene or Amorphous Polyolefin (APAO, APO)), finished with colorful mineral granules on the upper surface and polyethylene film on the lower side of the membrane. The three dimensional colorful membrane is not only waterproof but also aesthetically pleasing. The membrane is available in wide variety of colors and styles or patterns, imitate the look of natural wood or slate shingles which create an attractive custom look that will greatly enhance the appearance.

Uses

Roofs of residential and commercial buildings

Features

- ◆ Excellent waterproofing and durability
- ◆ Colorful, beautiful, and three dimensional
- ◆ Superior impermeability, cold flexibility and elasticity, high tensile and bonding strength
- ◆ Excellent elongation and recovery properties
- ◆ Strong puncture resistance and adaptability to deformation and cracks
- ◆ Pollution free, no toxic, easy use



Products specification

Reinforcement	Thickness(mm)	Width(mm)	Upper surface materials	Lower surface materials
Polyester felt (PY)	3, 4, 5	1000	Colored minerals (M)	Polyethylene film (PE)

Technical Data: Executive Standard GB18242-2008

No	Item		Index	
			I	II
1	Soluble content , g/m ² ≥	3 mm	2100	
		4 mm	2900	
		5 mm	3500	
2	Thermal resistance	°C	110	130
		mm≤	2.0	
		Test phenomenon	No drift, no flow, no dripping	
3	Low temperature flexibility, °C		-7	-15
			No crack	
4	Water impermeability, MPa at 30min		0.3	0.3
5	Tension	Tension at maximum peak, N/50mm≥	500	800
		Test phenomenon	No cracks or separate	
6	Elongation	Elongation at maximum peak, %≥	30	40
7	Water absorption, %≤		2.0	
8	Thermal ageing	Retention of tension, %≥	90	
		Retention of elongation, %≥	80	
		Low temperature flexibility, °C	-2	-10
			No crack	
		Dimension change rate, %≤	0.7	
Mass loss rate, %≤	1.0			

9	Oil permeability, Pieces, ≤	2	
10	Seam peel strength, N/mm ≥	1.5	
11	Adhesivity of mineral granules, g≤	2.0	
12	Asphalt thickness on the lower side, mm≥	1.0	
13	Accelerated weathering	Appearance	
		Retention of tension, %≥	
		-2	-10
		No crack	

Packing

Roll size: 1m x 5m, 1m x 7.5m
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.

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.