

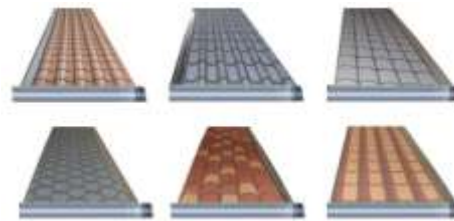
## Three Dimensional Colorful SBS Modified Bitumen Membrane

### Description

The dimensional colorful membrane is made from polyester (PE) felts coated with a layer of modified bitumen by thermoplastic elastomer (Styrene Butadiene Styrene), 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.

### 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



### Uses

Roofs of residential and commercial buildings

### 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 <sup>2</sup> ≥	3mm	2100	
		4mm	2900	
		5mm	3500	
2	Thermal resistance	°C	90	105
		mm≤	2.0	
		Test phenomenon	No drift, no flow, no dripping	
3	Low temperature flexibility, °C		-20	-25
			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, %≥	80	
		Retention of elongation, %≥	80	
		Low temperature flexibility, °C	-15	-20
		Dimension change rate, %≤	0.7	

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		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	No drift, no flow, no dripping	
		Retention of tension, %≥	80	
		Low temperature flexibility, °C	-15	-20
			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.