
SBS Torch Applied Bitumen Waterproofing Membrane

Sinomaco Elastomeric SBS Modified Bitumen / Asphalt Waterproofing Membrane adopts SBS (propylene styrene-butadiene-styrene) thermoplastic elastomeric (SBS) modified rubber asphalt as the coating material, reinforced with polyester felt, glass fiber felt or specially reinforced polyester glass fiber felt with the surface covered in metal aluminum foil, fine sand or PE film, etc. Elastomeric SBS Modified Bitumen or Asphalt Membrane is agitated and ground by special machinery.

Products Feature

1. Good elasticity, high tensile strength and elongation, good low temperature flexibility, good wear resistance.
2. Excellent water impermeability and temperature adaptability. SBS membrane is suitable for building waterproofing in lower temperature environments.
3. High resistance performance in corrosion, aging, anti-puncture, mildew, anti-impact, pressure with long service life.
4. Easy to operate and maintain with construction quality.
5. Hot welding (with burn-off polyethylene) applications to ensure the durable, reliable, and tight joints.

| Basic Specification | | | | |
|---------------------------------|---------------|-----------|--|---------------------------------------|
| Reinforced Layer | Thickness(mm) | Width(mm) | Cover Material | Cover Material (heat welding side) |
| Polyester felt (PY) | 3/ 4 / 5 | 1000 | Polyethylene (PE) | Polyethylene (PE) |
| Fiberglass felt (G) | 3 / 4 | | Fine Sand (S) Mineral aggregate (M) | |
| Fiberglass polyester felt (PYG) | 5 | | | |

Application Scope

1. Suitable for waterproofing and moisture proofing of roofing, basement and cold storage in industrial and civil building structures. Waterproofing for water pools, water conservancy projects, swimming pools, etc.
2. Bridge decks, subways, tunnels, sewage treatment plants, landfills, etc.; can also be used for anti-corrosion and various moisture-proof interior packaging materials of underground pipelines.

Working Advices

1. Avoid to operate on the ground with snow, water or frost. If it is necessary to work under negative temperature, measures should be taken to ensure that the waterproof layer after laying is not cracked or sticky. During the construction, the air needs to be squeezed by hand to avoid bulging.

When handling, take it upright and place it upright.

2. The height must not exceed two layers. Prevent tilting or lateral pressure. Do not drop and avoid damage.

Transportation & Storage

1. There should be a dedicated warehouse stacking and the warehouse must be ventilated to avoid light exposure, non-fire sources, and fire prevention. When stacking in temporary warehouses on the construction site, coverings must be covered to avoid sun and rain.

2. When transporting, the membranes must be tightly tested and the membranes should not be stacked to prevent the sheet from tilting or laterally pressing. When transporting, the membranes should be stacked tightly and the membranes cannot be stacked on each other to prevent the sheet from tilting or lateral pressure.

3. The storage temperature is not higher than 50°C, the storage period is one year from the date of production, and it can still be used after it passes the inspection.

Technical Data Sheet(TDS)

| Performance Index of Test Report | | | | | | | |
|----------------------------------|-----------------------------|-------------------------|---|-------------------------------|-------------|-------------------------------|-------------|
| S/ N | Item | | Index | | | | |
| | | | I | | II | | |
| | | | PY | G | PY | G | PYG |
| 1 | Soluble content | ≥ 3mm g/m ² | ≥ 2100 g/m ² | | | | / |
| | | ≥ 4mm g/m ² | ≥ 2900 g/m ² | | | | / |
| | | ≥ 5mm g/m ² | ≥ 3500 g/m ² | | | | |
| | | Test results | - | Reinforced layer Nonflammable | - | Reinforced layer Nonflammable | - |
| 2 | Heat resistance | | 90℃ | | 105℃ | | |
| | | | ≤ 2 mm | | | | |
| | | | No flow, no dripping | | | | |
| 3 | Low temperature flexibility | | -20℃ | | -25℃ | | |
| | | | No crack | | | | |
| 4 | Impermeable (120min) | | 0.3Mpa | 0.2Mpa | 0.3Mpa | | |
| 5 | Pulling | Maximum peak tension | ≥ 500N/50mm | ≥ 350N/50mm | ≥ 800N/50mm | ≥ 500N/50mm | ≥ 900N/50mm |
| | | Sub-peak peak tension | - | - | - | - | ≥ 800N/50mm |
| | | Test results | During the tensile process, there is no cracking of the membrane upper cover layer or the separation of the reinforced layer in the middle of the test piece. | | | | |
| 6 | Elongation rate | Maximum peak elongation | ≥ 30% | - | ≥ 40% | - | - |
| | | Second peak elongation | - | | - | | ≥ 15% |
| | | | | | | | |

| | | | | | | | |
|--|---------------------------------|--|--------------------------------------|------------|-------------------------------|---|--------|
| 7 | Increased quality after soaking | PE/S | 1.0 | | | | |
| | | M | ≤ 2.0% | | | | |
| 8 | Thermal aging | Rally retention rate | ≥ 90% | | | | |
| | | Elongation retention rate | ≥ 80% | | | | |
| | | Low temperature flexibility | - 15℃ | | - 20℃ | | |
| | | | No crack | | | | |
| | | Size change rate | ≤ 0.7% | - | ≤ 0.7% | - | ≤ 0.3% |
| | | Loss of quality | ≤ 1.0% | | | | |
| 9 | Oil permeability | Number of sheets | ≤ 2 | | | | |
| | | Joint peel strength | ≥ 1.5 N/mm | | | | |
| | | Nail tear strength | - | | | | ≥ 300N |
| | | Mineral pellet adhesion | ≤ 2.0g | | | | |
| | | The thickness of Bitumen cover layer on the downward covered surface of the membrane | ≥ 1.0 mm | | | | |
| | | 10 | Artificial weather accelerated aging | Appearance | No sliding, flowing, dripping | | |
| Rally retention rate | ≥ 80% | | | | | | |
| Low temperature flexibility | -15℃ | | | -20℃ | | | |
| | No crack | | | | | | |
| A. Only suitable for single layer membrane in mechanical fixed construction.B. Only applicable to coils on the surface of mineral pellets.C. Only for heat welding membrane. | | | | | | | |

Product link : <https://www.sinomaco.com/?p=1215>