

Extra Strength Molecule Polymer Self-adhesive Bituminous Waterproof Membrane

Description

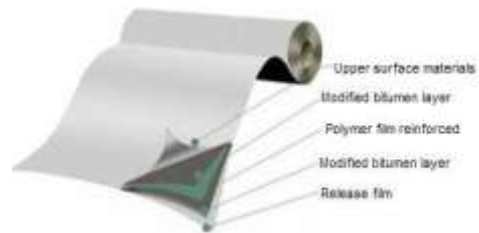
The extra strength molecule polymer self-adhesive bituminous waterproof membrane is a “peel and stick” polymer bituminous membrane, which is formulated by using premium raw materials such as bitumen/SBS/ high tack resins with extra strength polymer (7000F+8000A) film reinforced. The silicon-coated release film as anti-sticking protection layer is easy to remove. The membrane is cold applied and has excellent dimensional and thermal stability, strong anti-UV ability and longitudinal/ transverse tearing resistance.

Features

- ◆ Extra tensile strength and elongation, suitable for serious deformation buildings
- ◆ Excellent cold flexibility, good weather fastness
- ◆ Strong adaptability to deformation and cracks
- ◆ Good self sealing and dimensional stability
- ◆ Excellent mechanical and ductile characteristics, and tear resistance
- ◆ Good chemical resistance, easily to use, can applied at wet environment

Uses

Waterproof and damp proof for non-exposed roofs and underground structure of Industrial and civil building, subway, tunnel, bridge, planting roofs, water conservancy etc., especially for the places where the use of torch/fire must be avoided. The substrates can be metal, wood, aluminum, stone, concretes, cement sheets, structural or plywood, insulation blocks, fiberglass, and plastic products.



Specification

Thickness, mm	1.2 1.5 2.0
Width, m	1.0
Length, m	10, 15, 20
Upper surface materials	Polyethylene film (PE), polyester film (PET)
Lower surface materials	Polyethylene (PE) release film with silicon-coated
Reinforcement layer	Polymer film (7000F+8000A)

Technical Data: Executive Standard GB/T23457-2009

No	Item		Index
1	Tensile properties	Tension, N/50mm \geq	500
		Elongation at maximum tension, % \geq	30
2	Thermal resistance, 70°Cx2h		No dripping, no blister
3	Low temperature flexibility, -15°C		No crack
4	Imperviousness, 0.6MPa *120min		Impermeable
5	Peel strength between membrane and membrane, N/mm \geq	No treatment	2.0
		Thermal treatment	1.5
	Peel strength between membrane and concrete, N/mm \geq	No treatment	2.0
		Thermal treatment	1.5
6	Tear strength, N \geq		20
7	Oil permeability, Pieces \leq		2
8	Persistence adhesivity, min \geq		60

9	Thermal ageing 70°C*168 hrs	Retention of tension %≥	90
		Retention of elongation, % ≥	80
		Low temperature flexibility, -23°C	No crack
10	Re-peeling strength, N/mm ≥		1.5
11	Thermal stability	Appearance	No dripping, no blister, no flowing
		Dimensional change, %≤	2.0

Packing

Roll size: 1m x 10m, 15m, 20m
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 wide, 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. Coverage of primer will depend on the porosity of the substrate.

Application: Starting at the lowest point to higher, fix one end of the membrane, remove the isolation film, and install it according to the line. Sheet edges must be overlapped a minimum of 60mm, end laps must be a minimum of 100mm, with upper sheets lapped over lower sheets, use the rubber drag roll to press the membrane well.

Ending process: The flat surface, and groove are sealed by sealant. On vertical surfaces, fixed with metal slat and sealed with sealants.

Inspection: A thorough inspection is required after application, any bubbles, or breakage, repaired by unwounded 150mm sheet pressed well and sealed by sealant. Apply protection layer according to waterproof layer design after the membrane is installed to ensure the membrane is not left exposed to sunlight or UV radiation.

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 places can not be higher than 50° C.

It should be stored by cartons and can not be put in more than five levels. The shelf life is 1 year.

Safety precautions

Do not work in a rainy or snowy day, or heavy wind (above 5 grade). Unsuitable for construction when ambient temperature below 0°C. If it rains or snows in the construction, protective action to the laid membrane is a must.

During installation, exercise extreme caution when working with open flame; Examine all surfaces to which the flame has been applied for smoldering or burning conditions.

Do not use open flame on or near highly combustible materials. Follow all local fire codes.

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