

## Self-adhesive Bituminous Waterproof Tape

### Description

Self adhesive bituminous waterproof tape is formulated by using premium raw materials such as bitumen/SBS/high tack resins. The upper surface is laminated with aluminum foil, PE film, PET film, or aluminized film; The lower surface is silicon-coated release film as anti-sticking protection layer that is easy to remove. The tape is cold applied and installed without the use of open flames, ideal for general repairs and sealing.

### Features

- ◆ Cold applied without the use of open flames
- ◆ Excellent adhesivity and tear resistance
- ◆ High tensile strength and good elongation
- ◆ Excellent cold flexibility, good weather fastness
- ◆ Strong adaptability to deformation and cracks
- ◆ Good mechanical characteristics
- ◆ Good chemical resistance and anti-sticking film releasing easily, easy to use

### Uses

Sealing and repairing roofs, vehicles, and cracks of buildings over wood, concrete, cement, brick, stones, plastics, glass, bitumen surfaces, and metals

- ◆ Guttering, skylights, vents, roofs, roof ridges, pipes, porches, chimneys, parapets
- ◆ Window sills, window and door corner boards, waterproof enclosures, sheathing panel seams
- ◆ Caravans, conservatories, and tanks
- ◆ Deck joists, deck to wall intersections, roof skirting and parapet joints, capping bolts



### Specification

Upper surface materials	Aluminum foil, woven aluminum foil, colored aluminum foil, colored PE film, PE film, PET film, colored PET film, aluminized film, polypropylene film
Lower surface materials	Clear PET, embossed PET, flat PET, ivory PET, Kraft paper, waxed paper
Thickness, mm	1.0, 1.2, 1.5, 2.0
Width, mm	50, 75, 100, 150, 225, 300, 450, 500, 600 or customized
Length, m	2.5, 3.0, 5.0, 7.5, 10, 15, 20 or customized

### Technical Data

No	Items		Index		
			PE	PET	Aluminum
1	Tensile properties	Tension, N/50mm $\geq$	150	150	200
		Elongation at break, % $\geq$	450	450	200
2	Nail shank tear strength, N $\geq$		60		--
3	Thermal resistance, 70°C $\times$ 2h		Drifting or dripping $\leq$ 2mm		
4	Low temperature flexibility, °C		-30	-30	-30
			No crack		
5	Imperviousness, 0.2MPa *120min		Impermeable		
6	Peel strength N/mm $\geq$	Membrane and membrane	1.5		
		Membrane and aluminum sheet	2.0		
7	Nail shank watertightness		Pass		
8	Persistence adhesivity, min $\geq$		20		
9	Thermal stability	Appearance	No dripping/dripping, no blister/wrinkle		
		Dimensional change, % $\leq$	2		

10	Accelerated weathering test	Appearance	No crack, no blister
		Retention of tension, %	80
		Low temperature flexibility, -20°C	No crack
		Peeling strength, Membrane and aluminum sheet, N/mm $\geq$	1.5

### Packing

Packed in cartons, the tapes number is dependent on the size of cartons and the specifications of the tapes.

### Application instructions

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

**Priming:** Prior to tape laying on absorbent and porous surfaces, substrate treating agent need to be brushed evenly and completely cover all laying places.

**Application:** Starting at the lowest point to higher, fix one end of the tape, remove the release film, and install it according to the line. When connecting strips, the overlap should be a minimum of 50mm. To ensure proper adhesion, the tape must be pressed onto the surface and smoothed with a press-on roller or a similar tool.

**Note:** Surface temperature must not fall below +5°C. At lower temperatures, the surface to be processed must be preheated with a gas burner or a hot-air device while taking the applicable safety precautions into account.

### Storage

Be stored in dry and well-ventilated places protected from sunlight and raining. It should be stored by cartons. The temperature in stored places should be at 5-25°C.

The shelf life is 1 year.

### Safety precautions

Protective clothing such as gloves and goggles should be worn. 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 tapes is a must.