



## Technical Data Sheet

### Product Name: Probutyl Aluminium Foil Tape

Aluminium foil butyl tape is a kind of environmental protection & solvent free sealing self adhesive material, which is blended by main materials like butyl and polyisobutylene, using special production formula, new blend vulcanization technology, the selection of high quality polymer materials and the special process flow.

#### Features:-

- Excellent mechanical properties: high bond strength and high tensile strength, good elasticity, good elongation performance, strong adaptability to base condition changes and cracking, and excellent tracing ability to the shape changes of the substance.
- Stable chemical properties: excellent chemical resistance, weather fastness and corrosion resistance.
- Reliable application performance: excellent adhesion, water resistance, sealing, high and low temperature resistance, high stability in sizes.
- The material is environment-friendly, non-toxic and tasteless, and the construction operation is simple and easy.

#### General Data

- Width: 1 meter
- Length: 50m
- Total thickness: 1+0.2mm
- Aluminum foil thickness: 0.07mm
- Density: 1.65±0.5g/ m<sup>3</sup>
- Dimensions Rolls are supplied as standard in 50 meter lengths and several widths.
- Tolerance on width and length is +/- 5 mm
- Butyl color: Yellow
- Release paper: grey-black film
- Packaging: bulk packing
- Storage: It should be stored in dry and ventilated environment, to avoid being stored at above 45 °C temperature for a long time.
- Temperature Resistant to temperatures: from -20 °C and +90 °C, short-term high temperature can be +120°C.

## Technical Information

No	ITEM	STANDARD	1st	2nd	3rd	CONCLUSION
1	<u>Thickness MM</u>	1.0±0.01	1.00	1.01	1.00	PASS
2	<u>Softening point</u>	120°C	120°C	120°C	120°C	PASS
3	<u>Operating Temperature short periods</u>	-20°C+90°C	-20°C	-20°C	-20°C	PASS
			90°C	90°C	90°C	
4	<u>Elongation % ≥</u>	340	337	326	331	PASS
5	<u>Tear Resistance N/50mm ≥</u>	200	210	212	208	PASS
6	<u>Peel Adhesion N/inch</u>	58N	59N	58.5N	58.1N	PASS
7	<u>Flexibility</u>	-30°C	-30°C	-30°C	-30°C	PASS

### Applications:

- Waterproofing of the newly built buildings, underground, waterproofing treatment of structural construction joints, and sealing of polymer waterproofing rolls.
- Sealing and waterproofing treatment of subway tunnel structure construction joints in municipal engineering.
- Airtight, waterproof and shock absorption treatment for the joints of color steel plate and sunshine house engineering.
- All kinds of waterproof and sealing treatment under the sun .such as civil roofing, color steel, steel structure, waterproof rolling material, PC board, etc.