

AQUAFIN BUTYL TAPE

NON-WOVEN & EPDM

Product Description:

AQUAFIN Butyl self-sealing tapes are composed of highly adhesive micro-sealant non-curing rubber with a built-in-primer. These tapes were developed to quickly seal surfaces and stop the intrusion of moisture. The reinforced film tapes are self-protecting making them a true “One-Step” sealant product that’s available in non-woven fleece and EPDM backing. The Non-woven fleece only film readily accepts solvent or acrylic based coatings and paints. The Fleece tape is ideal for use with metal roofing or single-ply roof application as a seam and detail waterproofing fabric that bonds firmly to the surface. Double Sided tape is great for sealing between seams of single-ply roof membranes. Also use in creating seals for border sealing of mechanical equipment. Offers a high degree of vibration dampening. May also be molded to shape for custom sealing. The highly adhesive bond of Aquafin BUTYL Tape stays flexible in a wide range of temperatures for service use in all climates.

Features, Benefits and Advantages:

1. Seals and waterproofs.
2. UV Stable- Can be left exposed (EPDM only)
3. Bonds to many different roof surfaces and substrates.
4. Easy release backing.
5. Wide service temperature performance range.
6. Bonds to fully-adhered solvent and acrylic based coatings and paints.
7. Self-Healing.
8. VOC Free.

9. Non-Woven fleece BUTYL Tape may be coated for external exposure.

Uses:

AQUAFIN BUTYL Tape is designed for sealing seams, flashing curbs and making repairs on metal roof surfaces, single-ply roofs and many other building and roof surfaces. Ideal for sealing ductwork, trailers, mobile homes, trucks, gutters and skylights. Also has excellent adhesion for sealing to APDM, Hypalon and most PVC and TPO roof surfaces as well as to concrete, gypsum boards, plastic, glass, wood, asphalt, Plexiglas and most other common building materials. It eases of use and allows for quick repair installations. AQUAFIN BUTYL Tape Double-Sided is designed for bonding and sealing metal structures as well as offering a degree of vibration dampening.

Note: Not intended for Asphaltic Surfaces.

Surface Preparation:

All surfaces to be sealed should be dry, smooth, clean and free from dirt, dust, oxidized carbon dust, loose paint or coatings, oil, grease, rust or other foreign matter. Concrete surfaces should be smooth and without laitance.

Application:

After surface has been properly prepared, cut desired length of AQUAFIN BUTYL Tape. Remove silicone release liner and position over desired area. Apply the tape directly to the area exactly the

first time. Trying to remove may damage the tape and roofing surface. Press down firmly with a cloth pad, finger pressure or roller making sure tape stays conforming to the roof surface as you smooth out on to the surface. Edges should be free of opening at seams and wrinkling. AQUAFIN Non- woven fleece BUTYL Tape should be coated over immediately. AQUAFIN BUTYL Tape Double-Sided is not meant to be exposed directly to the environment.

Caution:

Surfaces must be clean, free of moisture and contaminants. For professional use only.

Packaging:

Non-Woven

75 mm x 10 mtrs.
100 mm x 10 mtrs.
150 mm x 10 mtrs.
200 mm x 10 mtrs.
1 mtr x 10 mtrs.

EPDM

75 mm x 10 mtrs.
100 mm x 10 mtrs.
150 mm x 10 mtrs.
200 mm x 10 mtrs.
1 mtr x 10 mtrs.



Test Report for Non-Woven Fleece Butyle Tape:

No.	Test Item		Specifications	Test Data	Results	
1.	Heat-resistant properties, 80°C, 2h		No flow, no crack, no deformation	No flow, no crack, no deformation	Qualified	
2.	Low-temperature flexibility, -40°C		No crack	No crack	Qualified	
3.	Adhesive performance of shear conditions, N/mm	Waterproofing membranes	≥2.0	4.2	Qualified	
4.	Peel Strength	Waterproofing membrane	≥0.4	0.9	Qualified	
		Cement mortar board	≥0.6	0.7	Qualified	
		Colour plate		0.7	Qualified	
5.	Peel Strength retention rate, %	Heat treatment (80°C, 168h)	Waterproofing membrane	≥80	100	Qualified
			Cement mortar board		114	Qualified
			Colour plate		114	Qualified
		Saturated calcium hydroxide solution, 168h	Waterproofing membrane	≥80	89	Qualified
			Cement mortar board		86	Qualified
			Colour plate		114	Qualified
		Soaking treatment, 168h	Waterproofing membrane	≥80	89	Qualified
			Cement mortar board		86	Qualified
			Colour plate		86	Qualified



Test Report EPDM Butyl Tape

No.	Test Item		Unit	Specification	Test Data	Results	
1.	Tensile Strength	Normal temperature 23°C	Endwise	MPa	≥7.5	11.1	Qualified
			Crosswise		≥7.5	10.1	
		High temperature 60°C	Endwise		≥2.3	6.8	
			Crosswise		≥2.3	5.8	
2.	Elongation of break%	Normal temperature 23°C	Endwise	/	≥450	488	Qualified
			Crosswise		≥450	532	
		Low temperature -20°C	Endwise		≥200	256	
			Crosswise		≥200	280	
3.	Tear strength	Endwise	kN/m	≥25	32	Qualified	
		Crosswise		≥25	27		
4.	Waterproofness 30 Min		/	0.3 MPa No leakage	All 3 pcs have no leakage	Qualified	
5.	Low-temperature bending (Main Material)		/	-40°C No crack	Both endwise 2 pcs and crosswise 2 pcs have no crack	Qualified	
6.	Low-temperature bending (Self-adhesive layer)		/	-25°C No crack	Both endwise 2 pcs and crosswise 2 pcs have no crack	Qualified	
7.	Persistent adhesivity		Min	≥20	35	Qualified	
8.	Peel strength	Under standard test conditions	Sheet and sheet	N/mm	≥0.8	1.2	Qualified
			Sheet and Aluminum plate		≥1.0	1.4	
			Sheet and Cement mortar board		≥1.0	1.4	
		Hot-air ageing (80°Cx168h)	Roll and Roll		≥1.0	1.2	
			Roll and Aluminum plate		≥1.2	1.4	
			Roll and Cement mortar board		≥1.2	1.4	

