

PRODUCT DESCRIPTION:

Butyl Tape is 100% solids, asbestos-free butyl tape sealant that is a highly rubbery, tacky, reinforced compound designed for sealing metal lap joints in the metal building industry. It is easy to apply and compress during installation. It exhibits excellent application and performance characteristics over a wide temperature range and will not become brittle, crack or flow during service. It is available in various sizes supplied in ready-to-use rolls and pre-cut end lap pads for standing seam roof (SSR) applications. It is also available in double and triple bead rolls and end lap pads.

TYPICAL USES:

Butyl Tape is designed to seal and prevent the entry of dust, air and moisture and assure a weather tight seal in metal building details.

- Metal rib and end joints
- Standing seam roof end laps
- Sealing roof curbs roof jacks and skylights
- Sealing polyethylene sheeting
- Sealing air conditioning equipment
- Window and door flanges

ADVANTAGES:

- Excellent for sealing Galvalume®, Galvalume Plus®, Zinalume® and KYNAR 500®
- Adheres to oily Galvalume®
- Will not corrode Galvalume®, Galvalume Plus® and KYNAR 500®
- Meets ASTM and Federal Standards
- Non-staining
- Permanently flexible
- Resistant to ultraviolet and infrared radiations, precipitation, atmospheric hydrocarbon contamination and extremes in temperature

LIMITATIONS:

Not recommended for:

- For applications requiring continuous water submersion, consult Gibraltar field sales representative.
- Joints that are not mechanically fixed.
- Do not apply sealant to wet or frost bearing surfaces.

Butyl Tape is compatible with the following:

- ACRYL-R® SM5430 Non-Skinning Sealant
- ACRYL-R® SM5504 Narrow Joint Sealant
- ACRYL-R® SM5522 Acrylic Sealant
- Permthane® SM7100
- SM7108 Polyurethane Sealants

TYPICAL PROPERTIES:

Property	Typ.Values	Method
Specific Gravity	1.47	ASTM D 792
Density:	13.54 Lbs/Gal 1.62 Kg/Liter	ITW Lab
% Solids:	100%	ITW Lab
Peel Adhesion		AAMA 800 1/16" (0.158cm) thick
Galvalume	16 (2.8)/100	
Anodized Aluminum	16 (2.8)/100	
Mill Finish Aluminum	16 (2.8)/100	
Polyvinylidene Fluoride	17 (2.8)/100	
PVC Plastisol	17 (2.8)/100	
Polyester	16 (2.8)/100	
Siliconized Polyester	16 (2.8)/100	
Tensile Ad.Strength PSI(kPa)	20 (138) 95	ASTM C 907
% Cohesive Separation		
Yield Strength PSI(kPa)	8 (55)	ASTM C 908
% Elongation	>1000	ASTM C 908
Sag	None	AAMA 800
Vehicle Migration	Pass, <1/8" (<3.175mm)	AAMA 800
Water Resistance	No Effects	AAMA 800
Hardness (Shore 00)	50-60	AAMA 800
Crazing to Acrylic plastics	None	MIL-S-11030C
Cone Penetration (0.1mm)		ASTMD217 300g cone (5 Sec)
@77° F (25° C)	85-100	
@120° F (48.8° C)	125-135	
@0° F (-17.7° C)	45-55	
Application Temp. Range	-5° F to 120° F (-20° C to 49° C)	ITW Lab
Service Temp. Range	-40° F to 200° F (-40° C to 93° C)	ITW Lab
Color	Light Gray	Visual ITW Test
Weatherability QUV ,340A lamp 1000Hrs	Excellent, no cracking, chalking, wash-off, flow	ITW Lab
6" Static Water Pressure	Pass - No Leakage	ASTM proposed
Water Penetration	Pass - No leakage	ASTM E 1646
Air Leakage @1.57 PSF	0.051 CFM/FT ² 0.068 CFM/FT ²	ASTM E 1680
@6.24 PSF	0.1024 CFM/FT ² 0.1365 CFM/FT ²	
Shelf Life	18 mo. when stored at or <100° F (38° C)	

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