

TECHNICAL DATASHEET: Poly-Seal AF Butyl (Aluminum)

PRODUCT DESCRIPTION

Pressure-sensitive, 40-year cycle, duct joint and general purpose rolled mastic sealant. 17 mils of butyl adhesive.

TYPICAL APPLICATIONS

- Provides an instant water resistant grip on most surfaces including sheet metal, duct board, flex duct, and PVC coated duct
- Widely used on HVAC ducts and pipe joints
- Suitable for subgrade application on PVC-coated ducts and is ideal for replacement applications
- Also used for other flashing/sealing applications (ex: repair for copper pipes)

PRODUCT FEATURES & BENEFITS

- Instant adhesion
- Indoor/outdoor
- True zero VOC
- All pressure classes up to 20 " W.C.

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
TOTAL THICKNESS	17-18 +/- 0.5 Mils	
ADHESIVE THICKNESS	15-16 Mils	
BACKING/CARRIER THICKNESS	2 Mils	
COLOR	Gray Aluminum Foil	
MATERIAL/SUBSTRATE	Butyl/Aluminum	
BACKING/CARRIER	Aluminum	
FINISH	Mill Finish	
ADHESIVE TYPE	Modified Butyl	
ADHESIVE SYSTEM	Permanent Adhesive	
ADHESIVE SIDE	Single Side Adhesive	
PEEL ADHESION	>10 pli	ASTM D3330-83
BONDING TIME	Immediate/full bond: 15 minutes	
TENSILE STRENGTH	955 psi min.	ASTM D412
ULTIMATE ELONGATION	500%	ASTM D412
FLAME	20	ASTM E84, UL 723
SMOKE	40	ASTM E84, UL 723
FLEXIBILITY	Excellent, no cracking	ASTM C765
WATER RESISTANCE	Pass	CSTM.RA 8.0
QUV, 2,000 HOURS	Pass	ASTM G53
SERVICE TEMPERATURE	-20°F to 200°F	ASTM D2243, ASTM D2485
NFPA	Class 1	90A
NFPA	Class 1	90B
VOC LIMITATION	Pass	SCAQMD RULE 1168
UL 723	Pass	
VOC	0 g/l	EPA METHOD #2

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**

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PRESSURE TEST	20" w.c.	INDEPENDENT 24 HR. TEST UP TO 5/8" DIAMETER
RECOMMENDED APPLICATION TEMPERATURE	35°F to 110°F	
POST-INDUSTRIAL RECYCLED CONTENT	0%	
PRE-CONSUMER RECYCLED CONTENT	0%	

- NOTE:**
- Surface must be dry and free of dirt, oil and grease. Cut desired length, peel off release liner, apply. Removal or repositioning may damage product and surface. Overlap at ends. Use squeegee with heavy pressure to assure complete contact. Use paint appropriate for aluminum.
 - Surfaces must be clean, free of moisture and contamination. Do not apply this product in areas where temperatures will exceed 200°F. DO NOT use where acidic or alkaline chemicals are present (i.e. lab fume hood, vents, etc.).

SHELF LIFE/STORAGE	
SHELF LIFE	24 months
RECOMMENDED STORAGE CONDITIONS	35°F to 110°F. DO NOT FREEZE.

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