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# TECHNICAL DATA SHEET

## MBT BUTYL TAPE

### 1. PRODUCT NAME:

MBT Butyl Tape

### 2. PRODUCT DESCRIPTION:

MBT is an elastomeric butyl rubber-based extruded sealant on silicone release paper, designed for sealing a variety of construction joints. This product meets the critical requirements of the preengineered metal building, as well as the modular housing and window glazing industries and is very resistant to ultraviolet light. MBT is engineered to withstand extreme roof temperatures while offering superior low temperature compressibility and resistance to cold flow. A wide selection of shapes, sizes and lengths are available to meet most joint configurations. MBT is packaged in water-resistant cartons suitable for export shipment.

**COMPOSITION:** Polyisobutylene-isoprene (butyl rubber), inert fillers, tackifying resins, ultraviolet inhibitors, surfactants. **DOES NOT CONTAIN ASBESTOS.**

### 3. TECHNICAL DATA:

See Properties and Performance Data (on back).  
Meets or exceeds the following specifications:

Military Spec MIL-C-1896B Type II Class B

Federal Spec TT-C-1796A Type II Class B

N.A.A.M.M. SS-1C-68

A.A.M.A. 804.1 AND 807.1

M.B.M.A. Ice Damming-Five (5) inch static water head test.

F.D.A. Regulations - All new materials used in MBT comply with regulations for pressure-sensitive adhesives (#175.125).

### 4. INSTALLATION INSTRUCTIONS:

**SURFACE PREPARATION:** All surfaces to be sealed should be free of dust, dirt, oil and moisture before applying sealant. Clean with soap and water or aliphatic solvent.

**WORKING CONDITIONS:** Apply in dry conditions above 40°F. Below 40°F atmospheric condensation on surfaces may inhibit adhesion and should be avoided.

**APPLICATION:** Apply MBT to surface directly from roll. Press sealant through the silicone release paper with a smooth, even hand motion.

**NOTE:** For metal roofing and siding applications, be certain to place sealant on the "wet" side of the fasteners to prevent wind blown rain from leaking through the fastener holes.

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## PROPERTIES AND PERFORMANCE DATA

TEST METHOD	TEST	TYPICAL RESULTS
GSTM	Color	Light Gray
ASTM D-217-68	Cone Penetration @ 77°F, 150g/5sec, 1/10 mm	55
ASTM C-771-74	Non-Volatiles, %weight @ 212 ± 3°F	99+
ASTM D 792-66	Weight/gallon @ 77°F, lbs.	12.5
ASTM D 792-66	Specific Gravity @ 77°F	1.55
GSTM 11	Service Temperature - Range, °F	-60 to 275°F
GSTM 16	Sag (Three weeks @ 160°F)	None
ASTM C-765-73	Cold Temperature Flexibility (1/2" Mandrel Bend @ -60°F)	No Cracking or Loss of Adhesion
GSTM 9	Webbing and Elongation @ 77°F @ 32°F	1,050% + 3,050% +
GSTM 1	Adhesive/Cohesive Failure Mode @ 77°F	3% / 97%
ASTM D-897-72	Tensile Strength, p.s.i. @ 77°F	25
ASTM D-750-68	Weatherability - 1,000 hours in Q.U.V. Weatherometer (Cycle of 8 hours U.V. @ 150°F; then 4 hours of condensation @ 104°F)	No Discoloration, Cracking Crazing or Loss of Adhesion

The test results shown are believed to be reliable.  
However, variances in testing and actual field conditions  
may alter the results. There is no expressed or implied  
warranty on the test data.