



# TECHNICAL DATA

## MANUS-BOND 50-A

### *BUTYL ACOUSTIC & VAPOR BARRIER SEALANT*

#### 1. PRODUCT DESCRIPTION

Manus-Bond 50-A is a high solids, non-drying, self-healing synthetic rubber based sealant for reducing sound and vapor transmission around windows, doors, wall panels, insulated metal panel and partition systems. Used as a lap joint and perimeter sealant for polyethylene vapor barriers over fiber glass batt or other insulations. Provides excellent adhesion to ZINCALUME®, KYNAR500®, stainless steel, polyvinylidene fluoride, Galvalume®, Galvalume® Plus, aluminum, concrete, gypsum, wood surfaces, foam boards, plastic and fiberglass. 50-A is non-drying, non-bleeding formula which remains flexible to form a long lasting resilient and acoustical seal. This non-webbing formulation exhibits excellent tackiness for permanent bonding. 50-A contains an anti-microbial agent which inhibits the growth of mildew and bacteria. Passes AAMA 800 flexibility cold testing of -100°F. USDA accepted.

#### 2. TECHNICAL DATA:

Viscosity (Spindle T-F @ 2.5rpm)	1 million cps
VOC Content (via EPA Method 24)	3.47%
Flash Point (ASTM D3278)	>212°F
Low-temperature flexibility (AAMA 800)	No loss of adhesion
Weight loss (ASTM D2453)	5-8%
Boeing Flow (ASTM D2202)	Nil
Specific Gravity (ASTM D1475)	1.52-1.58
Weight % Solids (ASTM C681)	93.5-96.5%
Aging	Good tack after 50 days conditioned @ 160°F
Weathering (ASTM G53)	Excellent adhesion and no significant change in characteristics after 260 hours in Weatherometer
Oil Migration	Does not exude oil when applied between two metal panels bolted together allowing 1/16" seal. Assembly conditioned for one week at 158°F
Adhesion (ASTM C794)	Excellent
Service Temperature	-100°F to 180°F
Non-Staining	Non-staining when used as recommended

### **3. COLORS**

White, Gray and Black

### **4. PACKAGING**

10.1 and 28 fl.oz. cartridges. 10 and 20 fl.oz. sausage packs. 1, 5, & 55 gallon containers.

### **5. STORAGE LIFE**

For maximum shelf-life, store unopened product at or below 80°F

12 months minimum in unopened containers.

### **6. APPLICATION**

Potential applications include; sealing base track to slab, polyethylene vapor barrier sheet overlaps, insulated panel top caps and panel joints. Surfaces must be clean, dry and free of dust or other foreign matter. Keep 50-A from sight line when painting is necessary. Some applications may not be compatible with this product. Testing suitability for intended application before proceeding with full application is recommended.

### **7. PRECAUTIONS**

CAUTION: COMBUSTIBLE LIQUID & VAPOR. Contains mineral spirits. Keep away from heat and flame. Avoid skin contact. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation. Do not take internally. See MSDS for additional information. Keep out of reach of children.

### **8. LIMITED WARRANTY:**

Any goods prove defective will be replaced or the purchase price refunded. The limited warranty described herein is in lieu of any other warranty, expressed or implied, including any implied warranty of merchantability or fitness for a particular use. The user shall determine suitability of the product for its intended use. Liability for any incidental or consequential damage or loss is excluded. The user assumes all risks of the product's use, handling and storage.

## **MANUS PRODUCTS INC.**

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