

HI-COMPRESSION TAPES  
ADHESIVES • SEALANTS  
SPECIAL INDUSTRIAL PAINTS  
CUSTOM MECHANICAL EQUIPMENT

SALES • SERVICE ENGINEERING  
CONSULTING ENGINEERING  
NEW PRODUCT DESIGN



# TECHNICAL DATA

## MANUS-BOND 501-A

### GENERAL PURPOSE BUTYL SEALANT

#### 1. PRODUCT DESCRIPTION:

Manus-Bond 501-A is formulated with a blend of the strongest and most flexible synthetic polymers. Has excellent adhesion to aluminum, steel, wood, glass, plastics and cement. With superior weather resistance and sealing properties, Manus-Bond 501-A retains its flexibility for years. Conforms with the requirements of Federal Specification TT-S-01657. Authorized by the USDA.

#### 2. TECHNICAL DATA:

Bubble Formation 48 hours at standard conditions followed by 72 hours at 122°F.	No bubbles formed
Tenacity 24 hours at standard conditions 16 hours at 158°F 8 hours at -10°F with 180° bend on 1/4" mandrel	Pass
Shrinkage 14 days at standard conditions	1.3%
Slump ASTM D2202	0.00"
Extrudability 4 hours at standard conditions	1.2 sec/ml
Stain ASTM D2202	1.10
Tack Free Time 24 hours at standard conditions	Pass
Complete Cure	7-10 days at 72°F
Hardness (Shore A)	30-35



## 2. TECHNICAL DATA: (cont.)

Solids	Approx. 80%
Adhesion Loss, Cracking, Discoloration 10 cycles UV lamp for 8 hours 10 cycles -10°F for 16 hours	0
Bond Cohesion	
Cement	0.10 in <sup>2</sup>
Aluminum	0.25 in <sup>2</sup>
Glass	0.10 in <sup>2</sup>

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## 3. COLORS:

White, aluminum gray, black. Other colors available upon request.

## 4. PACKAGING:

10.3 fl. oz. cartridges, 1, 5, & 55 gallon containers.

## 5. SURFACE PREPARATION:

Apply to clean, dry surfaces free of contaminants that can adversely affect adhesion. Remove all old sealant before applying 501-A.

## 6. PAINTING:

Cured 501-A may be painted with most industrial & commercial paints. Laboratory or field testing is recommended.

## 7. STORAGE LIFE:

Inspect periodically after twelve months. Store in a cool area.

## 8. 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.

## 9. TECHNICAL SERVICE:

Manus technical representatives are always available to provide assistance. Please contact our Technical Service Department with your questions or requests for specific applications.

## 10. LIMITED WARRANTY:

Any goods proved 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.

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