

# TECHNICAL DATA

## MANUS-SEAL 27-A

### HIGH SOLIDS COPOLYMER ADHESIVE/SEALANT

#### 1. PRODUCT DESCRIPTION:

Manus-Seal 27-A is a superior quality, paintable, high solids adhesive/sealant that forms a tough flexible seal between similar and dissimilar materials. Available in ultra clear and many other colors. Has excellent adhesion to aluminum, metals, fiberglass, wood, plastic, vinyl and glass. Creates a seal that lasts many years. Conforms with the performance requirements of Federal Specification TT-S-0230C.

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#### 2. TECHNICAL DATA:

Complete Cure	5-7 days, depending upon size of bead
Tack Free Time	Less than 20 minutes
Skin Time	Less than 3 minutes
Sag	Non-sagging Also available in self-leveling grade
Solids	Approx. 75%
Lap Shear	Approx. 150 psi
Elongation	Approx. 500%
Viscosity	Heavy paste, approx. 500,000 cps
Hardness (Shore A)	25 - 35
Staining	Non-staining
UV Rating	After 500 hours UV-A no change in appearance or physical properties (ASTM G53)

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- 3. COLORS:**  
Ultra clear, 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 27-A.
- 6. PAINTING:**  
Cured 27-A may be painted with most industrial & commercial paints. Laboratory or field testing is recommended.
- 7. STORAGE LIFE:**  
Twelve months in unopened containers at temperatures not exceeding 80°F.
- 8. PRECAUTIONS:**  
**DANGER: FLAMMABLE LIQUID AND VAPOR**  
Contains xylene. Keep away from heat, sparks and open flames. Avoid prolonged breathing of vapors and repeated contact with skin. Use with adequate ventilation. Do not take internally. If accidentally swallowed, do not induce vomiting. Call a physician at once. 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.