



# TECHNICAL DATA

## MANUS-BOND 75AM ULTRA CLEAR

Solvent Free—Ultra Clear—Paintable

### 1. PRODUCT DESCRIPTION:

Manus-Bond 75AM Ultra Clear is a new generation, environmentally friendly product that replaces silicone and urethane sealants. 75AM Ultra Clear is designed for bonding and sealing a wide variety of building materials such as Kynar®, Galvalume®, painted surfaces, PVC, glass, steel, aluminum, tile, FRP, granite, marble, concrete, wood and many plastics. Cures fast and remains flexible, is non-sag and has exceptional resistance to weathering and temperature extremes. 75AM Ultra Clear does not contain solvents or isocyanates and remains flexible when fully cured. USDA accepted. Conforms to ASTM C920, Type S, Grade NS, Class 50, Use T, NT, G and A.

### 2. TECHNICAL DATA:

<b>Specific Gravity</b>	1.04-1.06
<b>Color</b>	Clear
<b>Skin Time @ 75°F &amp; 50%RH</b>	20-30 minutes
<b>Cure Rate @ 75°F &amp; 50%RH for 24 hours</b>	0.125"
<b>Hardness, Shore A</b>	25
<b>Viscosity (cps)</b>	350,000-450,000
<b>Sag</b>	Nil
<b>50% Modulus</b> ASTM D412 *Rate = 2"/minute	27 psi
<b>100% Modulus</b> ASTM D412 *Rate = 2"/minute	50 psi
<b>Tensile Strength</b> ASTM D412	225 psi
<b>Lap Shear</b> Rate = 2"/minute	290 psi
<b>% Elongation</b>	250%
<b>Service Temperature Range</b>	-75°F to 250°F
<b>Movement Capability</b>	±25%
<b>UV Resistance</b>	Excellent
<b>VOC Content</b>	11 grams/liter

\*Above values are typical values for the material, but not intended for use in specifications. Field conditions may yield different results.

3. **PACKAGING:**  
10.1 and 28fl.oz. cartridges, 10 and 20 fl.oz. sausage packs, 1, 5 and 55 gallon containers
4. **SURFACE PREPARATION:**  
Apply to clean, dry surfaces free of contaminants that can adversely affect adhesion. Remove all old sealant before applying product. Some substrate materials may not be compatible with this product. Testing substrate compatibility with this product before full application is recommended.
5. **PAINTING:**  
Cured product may be painted with most industrial & consumer paints. Testing prior to painting is recommended.
6. **STORAGE LIFE:**  
For maximum shelf life, store unopened product at or below 80°F.  
12 months = cartridges and sausage packs  
6 months = 1, 5 and 55 gallon containers
7. **PRECAUTIONS:**  
Some applications may not be compatible with this product. Testing suitability for intended application before proceeding with full application is recommended. Use with adequate ventilation. Inhalation of vapor during application and cure may cause slight eye or throat irritation. In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation persists, consult a physician. Avoid repeated, prolonged contact with skin. See MSDS for additional information. **KEEP OUT OF REACH FROM CHILDREN.**
8. **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.
9. **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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