



TECHNICAL DATA

MANUS-BOND 75-AM NSF61 LOT and FOT Adhesive/Sealant

1. PRODUCT DESCRIPTION:

Manus-Bond 75-AM-NSF61 Certified Sealant/Adhesive exhibits excellent adhesion to many substrates including brass, wood, aluminum, stainless steel, Kynar®, Galvalume®, painted surfaces, vinyl, glass, steel, granite, marble, concrete, wood, glass fused steel and many plastics. This product is available in a Long Open Time (LOT) and Fast Open Time (FOT). 75AM NSF61 is highly weather resistant and can be painted with most paints. Manufactured from high grade polyether technology 75AM NSF61 contains no solvents or isocyanates and is non-yellowing. Conforms to ASTM C920, Type S, Grade NS, Class 25, Use NT. Tested and Certified by NSF61 for immersive use in Potable Water Tanks since 1998.

2. TECHNICAL DATA:

Specific Gravity	1.56-1.60
Color	White, Gray and Black. Other colors available upon request
"LOT" Skin Time @ 75°F & 50%RH	<3 hours
"FOT" Skin Time @ 75°F & 50%RH	<30 minutes
Cure Rate @ 75°F & 50%RH for 24 hours	0.125"
Hardness, Shore A	35-40
Sag	Nil
Viscosity	450,000 – 500,000 cps
100% Modulus ASTM D412 *Rate = 2"/minute	127 psi
Tensile Strength ASTM D412 *Rate = 2"/minute	210 psi
% Elongation	350%
Lap Shear Strength ASTM D1002 *Rate = 2"/minute	215 psi
Peel Strength ASTM C794	18 lbf on Glass (no adhesion loss) 17 lbf on Aluminum (no adhesion loss) 13 lbf on Mortar (no adhesion loss)
Service Temperature Range	-40°F to 200°F
Maximum Temperature for Short Periods	350°F
Movement Capability	±25%
UV Resistance	Excellent
VOC Content	11 grams/liter

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

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3. **COLORS:**
White, Gray and black. Other colors available upon request.
4. **PACKAGING:**
10.1 cartridges and 10 and 20 fl.oz. sausage packs, 5 and 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 product. Some substrate materials may not be compatible with this product. Testing substrate compatibility with this product before full application is recommended.
6. **PAINTING:**
Cured product may be painted with most industrial & consumer paints. Testing prior to painting is recommended.
7. **STORAGE LIFE:**
For maximum shelf life, store unopened product in dry conditions at or below 80°F.
12 months = cartridges and sausage packs
6 months = 5 and 55 gallon containers
8. **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 SDS for additional information. **KEEP OUT OF REACH FROM CHILDREN.**
9. **FOR USE IN POTABLE WATER TANK**
Max Chlorine range is 0-10ppm found in community water systems. Follow AWWA Standard C652-11, Disinfection of Water-Storage Facilities Method 4.3.1.1 or 4.3.1.2. Some disinfection chemicals are not recommended i.e. calcium hypochlorite, chloramines, chlorine dioxide and ozone. Testing small area of disinfectant solution before fully disinfecting the tank is recommended. This will ensure that the disinfectant solution is compatible with the sealant and won't cause unintended damage or reactions. It also helps verify the effectiveness before proceeding with the full-scale disinfection process. It is necessary to apply a proper sealant fillet that completely encapsulates bolt head (with sealant squeeze out) and the interior and exterior sheet edge. A smooth and uniform 3/16" (0.1875") profile bead is recommended. This will provide approximately 1/8" x 3/16" of depth at top edge of top sheet in the overlap and display a secure gradual transitioning to the substrate at the fillet edges. Allow sealant to fully cure for 14-30 days before filling tank.
10. **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.
11. **LIMITED WARRANTY:**
Any goods proven 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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