

TECHNICAL DATA SHEET

MANUS-BOND® 75-AMC Xtreme Construction

PRODUCT DESCRIPTION:

Manus-Bond® 75-AMC Xtreme Construction is one-component, non-sag, high-strength, and versatile elastic adhesive/sealant based on silyl-modified polymer technology. 75-AMC Xtreme Construction cures on exposure to atmospheric moisture to form a tough, yet flexible, water-resistant, durable, adhesive/sealant. 75-AMC Xtreme Construction is solvent and isocyanate free. It has a high resistance to moisture, UV irradiation, weathering, ageing, shrinkage, joint movement, and bubbling. 75-AMC Xtreme Construction can be painted with most paints. 75-AMC Xtreme Construction is designed for indoor/outdoor use to bond almost any material that requires initial green strength, fast set-up cure time, superior strength, and longevity. It exhibits excellent adhesive properties to most similar and dissimilar surfaces substrates usually without a primer, including aluminum, brass, vinyl, steel, stainless steel, glass, mirrors, mortar, concrete, wood, OSB, plywood, ceramic tile, brick blocks, foam board, pavers, painted surfaces, fiberglass, and many plastics. 75-AMC Xtreme Construction meets the following performance requirements: ASTM C 920: Type S, Grade NS, Use NT, T, M, G, A, Class 100/50; Federal Spec. TT-S-00230C Type II; AAMA 808.3 (Type 1) Exterior Perimeter Sealing; AAMA 805.2 (Group C) Back Bedding/Glazing.

Features	Advantages
<ul style="list-style-type: none"> Initial high-tack, non-sag properties Suitable under cold and warm applications Short cut-off string during application 	<ul style="list-style-type: none"> Excellent tack-free and cure times +/- 100/50% joint movement Flexible in low temperatures

Characteristic	Typical Value or Result ¹
Uncured Properties	
Appearance	No Slump, High-Viscosity Paste
Standard Colors	White, Limestone Grey, and Black
Curing Mechanism	Moisture Curing
VOC Content	100% Solid (8 gm/L)
Viscosity	750,000 cps
Curing through volume (mm) (1 day at 23°C and 50% RH)	≥3
Density (g/ml)	1.45 +/- 0.2
VOC	8 g/l
Cured Properties	
Shore A	46 +/- 3
Tensile Strength (PSI)	≥135
Elongation	≥600 %
Temperature Resistance (°F)	-40 to +158 °F (short exposure up to 285 °F)

¹ The values are typical or an approximation for the material and are not intended for use in specifications. Field or environmental conditions or application methods may yield different results.

MANUS-BOND® 75-AMC XTREME CONSTRUCTION (PDR 1080-3)

APPLICATION GUIDELINES:

Surface Preparations and Directions of Use:

The surfaces to be applied on should be clean, dry, and free from dust and grease. The ability for the adhesive to bond is only as good as the substrate it is applied on. Normally no primer is required. User should carry out preliminary compatibility, adhesion, and suitability tests on the substrates. Avoid exposure of unused material to air or moisture. A premium, high-ratio caulking gun that is suitable for high viscosity materials is recommended. Please contact Manus Sales Department or your Manus representative for information on premium, high-ratio caulking guns.

Precautions:

Some applications may not be compatible with this product. In most cases, no primer is required. Some cleaners or solvents may not be compatible with this product. Testing suitability for intended application before proceeding with full application is recommended. Do not use in direct contact with fire or in long-term high-temperature applications. Use with adequate ventilation. Inhalation of vapor during application and cure may cause 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.

Clean Up:

Excess cured material must be cut or scraped away followed by wiping with isopropyl alcohol, aromatic or ketone-type solvents. The use of these solvents (or other solvents) may be hazardous to your health. KEEP AWAY FROM OPEN FLAME. Tools and application equipment may be cleaned with the same solvent. Follow the precautions and instructions of the solvent manufacturers.

User Evaluation:

TESTING FOR SUBSTRATE COMPATIBILITY AND ADHESION MUST BE PERFORMED BY THE USER BEFORE PROCEEDING WITH FULL APPLICATION OR INCORPORATION. PRODUCT MAY NOT BE COMPATIBLE WITH ALL SUBSTRATES, SURFACES, USES, OR APPLICATIONS.

PRODUCT STORAGE:

The product has shelf life of 12 months after production date in its original packaging (unopened) in a cool, dry place. For maximum shelf life, store unopened containers at temperatures not exceeding 80°F in cool, dry conditions. Keep away from wet areas, direct sunlight, and heat sources.

PACKAGING AND SIZES:

75-AMC Xtreme Construction is available in 10.1 fl. oz./300 ml cartridge or 20 fl. oz. sausage packs. Other packaging or colors available upon request.

TECHNICAL SERVICE:

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

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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