

TECHNICAL DATA SHEET

MANUS-BOND® Xtreme Grab

PRODUCT DESCRIPTION:

Manus-Bond® Xtreme Grab is a high-grab adhesive and sealant. Xtreme Grab is designed to have high green strength or initial tack to hold materials in place while the adhesive cures. Xtreme Grab is based on silyl-modified polymer technology that cures on exposure to atmospheric moisture to form a fast, tough, durable adhesive. Xtreme Grab exhibits excellent adhesive properties to most common trailer, fenestration, and construction assembly substrates including aluminum, brass, vinyl, steel, stainless steel, glass, mirrors, mortar, concrete, wood, OSB, plywood, ceramic tile, brick, foam board, pavers, painted surfaces, fiberglass, and many plastics. Xtreme Grab remains flexible in low temperature extremes, and can be painted with most paints. Potential applications for Xtreme Grab include construction applications, kitchens, countertops, fire pits, and aftermarket and OEM glazing adhesive for glass bonding.

Features	Advantages
<ul style="list-style-type: none"> Initial high-tack, non-sag properties Holds tight in less than 10 seconds Contains no solvents or isocyanates Negligible shrinkage during cure Non-yellowing 	<ul style="list-style-type: none"> Excellent tack-free and cure times Flexible in low temperatures Excellent cohesive strength after cure

Characteristic	Typical Value or Result ¹
Uncured Properties	
Appearance	High Viscosity Paste
Color	Light Beige, White, Gray
Curing Mechanism	Moisture Curing
Tack-free Time	≤20 minutes
Curing through volume (mm) (1 day at 73 °F and 50% RH)	>3
Density (g/cc)	1.30 +/- 0.02
Cured Properties	
Shore A	60 +/- 5
Tensile Strength (PSI)	≥575
Elongation	≥110 %
Temperature Resistance (°F)	-40 to +215 °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.

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. It is advisable to carry out preliminary adhesion tests on the substrate. Avoid exposure of unused material to air or moisture. A premium, high-ratio caulking gun that is suitable for high viscosity materials is highly 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:

Xtreme Grab is available in 9.5 fl.oz./290 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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