



BIG BOND

F6400LVR STRUCTURAL ADHESIVE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Foamseal® F6400LVR BIG BOND adhesive has been specifically formulated to meet the structural requirements of the Manufactured Housing Industry. BIG BOND is a solvent free, GREENGUARD® certified, single-component, moisture-cured structural adhesive designed to bond flooring to joists, wallboard to stud framing, and to affix wallboard to header construction.

ADVANTAGE:

- Ideal for Ceiling Rafter Repair
- Approved for one-sided & two-sided shear wall construction
- Excellent use for vertical applications, such as back paneling.
- Solvent free, no added urea formaldehyde
- Contains no CFC or HCFC blowing agents
- Contains a chemically bonded red colorant for ease of visibility during application and quality control
- Only approved supplier for use with Open Joist floor/ceiling assembly with a one hour fire test for factory built multi-family, commercial buildings and recreational vehicles
- Tested to ASTM C557, AFG-01, ASTM D3498, ASTM D6464, ASTM E72, CA25-4

TYPICAL PROPERTIES:

Property	Typical Value
Base:	Polyurethane
Color:	Red
Size:	11 lb. canister
Shelf Life:	6 months from Date of Manufacture*
Flashpoint:	>400°F (204.4°C)
Clamping Time:	30 min – 2 hours
Open Time:	15 minutes (75°F (23.9°C), 40% RH)
Coverage:	2 - 1/16" beads: 3670 linear feet/ canister 1 - 3/32" bead: 3263 linear feet/ canister
VOC Content:	0.24 g/L (EPA Method 24)
Formaldehyde	No urea formaldehyde added during adhesive manufacturing
* The shelf life for an unopened container of this adhesive stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 6 months from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall.	

APPROVED EQUIPMENT:

- Dispensing gun: SG400
- Hoses: MH990 (6' length)

DIRECTIONS FOR USE:

Surface Preparation:

- Surfaces to be bonded should be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.
- Always wear safety gloves, glasses and protective clothing.

BIG BOND must be applied according to the detailed instructions in the "Guidelines for Use, Application and Safe Handling" Manual.

- Before initial use securely attach SG400 gun to hose, then hose to canister.
- Slowly open canister valve fully, checking for leaks; do NOT close valve until empty.
- After initial assembly, leave the hose and gun attached to the canister with the valve open.
- Depress the trigger fully to allow adhesive to be extruded onto intended surface; bead size is regulated by turning the back knob clockwise for increased bead size and counterclockwise for decreased bead size.
- Bond substrates within 15 minutes of application.
- Apply clamping pressure to the bonded surfaces.
- Store all gun, hose, and canister assemblies with hose pressurized, valve in open position, and gun trigger knob in off position to prevent hardening of the adhesive in the line.

When transferring to new canister:

- Close canister valve and safely release line pressure.
- Detach gun and hose keeping canister end of hose fitting higher than gun nozzle.
- Flush swivel hose-end fitting with Acetone.
- Reattach gun and hose immediately to a new canister to keep product from setting up in hose.

Cleaning:

- For extended shut down periods, it is recommended to clean gun and hose with acetone based “foam gun cleaner”.
- Immediately remove the plug from the top of the gun, replace with supplied cleaner basket, and flush gun and hose by closing the ball valve and depressing the trigger, clearing the gun barrel, tip and needle until the acetone cleaner become CLEAR in color.
- Once the gun portion runs clear, reopen the ball valve and close the gun trigger. The acetone cleaner then will run through the hose evacuating the residual adhesive. Run until liquid runs CLEAR in color.
- Hang gun with hose extended until dry.
- Wet F6400LVR Big Bond can be cleaned up with acetone also.

REGULATORY COMPLIANCE:

SCAQMD Rule 1168
 (South Coast Air Quality Management District)
 California Air District Regulations
 Ozone Transport Commission (OTC) Rule for Adhesives and Sealants

BIG BOND is approved for use and manufacture by Progressive Engineering Inc., an accredited Testing Laboratory and Third Party Quality Control Agency.

SUSTAINABILITY GUIDE:

- GREENGUARD® GOLD Children & Schools Certified
- GREENGUARD® Indoor Air Quality Certified
- Contributes to LEED® and other green building rating system credits:
 - LEED-NC and LEED-CI EQ 4.1
 - LEED-EB MR Credit 3
 - LEED for Schools EQ Credit
 - LEED Core & Shell EQ Credit 4.1
 - Green Guide for Health Care EQ Credit 4.1
 - NAHB Model Green Home Bldg Guidelines – Sect 7, Global Impact 7.1.3
 - CHPS (Collaborative for High Performance Schools) EQ Credit 2.2

ATTENTION:

- Do not reuse empty container. Recycle, or dispose of, according to all federal, state, and local regulations.

**KEEP OUT OF REACH OF CHILDREN
 FOR PROFESSIONAL OR INDUSTRIAL USE ONLY
 USE ONLY WITH APPROVED EQUIPMENT**

NOTICE TO PURCHASER:
 NO WARRANTIES, EXPRESS OR IMPLIED, ARE MADE INCLUDING MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. EXCEPT FOR PERSONAL INJURY RESULTING FROM USE OF THE PRODUCT AS DIRECTED, ITW POLYMERS SEALANTS NORTH AMERICA, INC. SHALL NOT BE LIABLE IN TORT OR CONTRACT FOR ANY LOSS OR DAMAGE. UNDER NO CIRCUMSTANCES SHALL ITW POLYMERS SEALANTS NORTH AMERICA, INC., A DIVISION OF ILLINOIS TOOL WORKS INC., OR ITS AFFILIATES (“ITW POLYMERS SEALANTS NORTH AMERICA, INC.”) BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PURCHASE, USE, OR INABILITY TO USE THIS PRODUCT, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. THE USER MAY SEND A SAMPLE OF PRODUCT TO ITW POLYMERS SEALANTS NORTH AMERICA, INC. FOR TESTING. IF SUCH TESTING PROVES A PRODUCT DEFECTIVE, THE USER’S SOLE AND EXCLUSIVE REMEDY IS EITHER REIMBURSEMENT OF THE PURCHASE PRICE OF THE PRODUCT OR REPLACEMENT OF THE CONTAINER OF PRODUCT. NO FABRICATOR, INSTALLER, DEALER, AGENT OR EMPLOYEE OF ITW POLYMERS SEALANTS NORTH AMERICA, INC. HAS THE AUTHORITY TO MODIFY THE OBLIGATIONS OR LIMITATIONS OF THIS.

WARRANTY:
 THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE; THEREFORE, SOME OF THE LIMITATIONS STATED ABOVE MAY NOT APPLY TO YOU. IT IS TO YOUR BENEFIT TO SAVE YOUR DOCUMENTATION UPON PURCHASE OF A PRODUCT. THE INFORMATION AND SUGGESTIONS FOR USE CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE, BUT ARE NOT TO BE CONSTRUED AS WARRANTIES. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR HIS OR HER INTENDED USE AND SHALL ASSUME ALL RISK ASSOCIATED THEREWITH.

Complete technical information is available from
 ITW Polymers Sealants North America, Inc.