

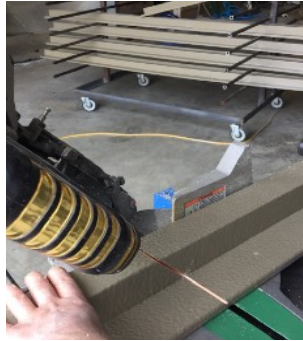
# ThermalBuck High-Performance Installation

## Simple ThermalBuck Installation Guide



### MEASURE

Measure the RO. Allow 1/2" extra on all sides (1" overall) than recommended by window manufacturer. Level & plumb, shim interior if needed.



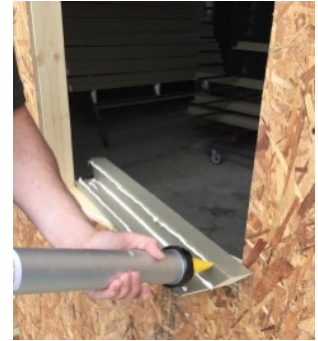
### CUT

Inspect for damage. Angle-cut pieces 45° with a miter saw. Undersize each piece 1/16" - 1/8" to allow for sealant at corners.



### DRY-FIT

Dry-fit the pieces of ThermalBuck to make sure it fits properly, adjust if needed.



### AIR & WATER SEAL

Apply three 3/8" beads of sealant to the back of each piece. Ensure 100% ooze-out at all transitions for air & water seal.



### ATTACH

Starting at the sill, press ThermalBuck firmly into the rough opening along the total length to ensure you have a good seal.



### SEAL ENDS

Add sealant to mitered ends. Ensure 100% ooze-out at all transitions for complete air & water seal. Add sealant if needed.

**NOTE:** Continue to attach jambs then head.



### NAIL TONGUE

Firmly hold ThermalBuck in place, and nail a 2" roofing nail through the 1/2" tongue into the structure, every 10"-12".



### CLAMP

Clamp all 4 corners with a nail while the sealant cures (**24 hrs**).

*Do not install window until sealant has cured.*

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### SMOOTH

Once 100% ooze-out is achieved, smooth sealant and remove excess.

*Do not install window until sealant has cured (24 hrs).*

### INSTALL WINDOW

Install window according to manufacturers' instructions. Along the bottom flange, ensure at least two 3" gaps in sealant for drainage.

**NOTE:** Nails or screws must go through ThermalBuck & penetrate the structure a minimum of 1-1/4".

### SEAL PERIMETER

Apply 3/8" bead of sealant around the perimeter of all sides of ThermalBuck to complete exterior air & water seal.

**NOTE:** Review the installation instructions of the WRB, CI & window manufacturer you have selected. Consider best practices for the remaining installation steps.

### SEAL INTERIOR

Seal *both* the transition of ThermalBuck to the window and to the framing to complete the interior air & water seal. Insert backer rod or spray foam first if needed between the window & ThermalBuck.

**NOTE:** If extension jambs are pre-installed, seal ThermalBuck to the rough opening prior to the window installation.

### FMA/AAMA/WDMA STANDARD 500-16

Standard Practice for the Installation of Mounting Flange Windows into Walls Utilizing Foam Plastic Insulation (FPIS) with a Separate Water-Resistive Barrier (WRB)

**Note:** Allow an additional 1/2" on all four sides of the rough opening than recommended by the window manufacturer (1" overall)

 **DYNAFLEX  
800**  
FOR PROPER  
INSTALLATION

  
**THERMAL BUCK™**  
HIGH-PERFORMANCE ROESE

*updated April 2018*

## Materials & Tools:

- ThermalBuck™
- Dow Corning 758 or DAP Dynaflex 800
- 2" Roofing Nails for ThermalBuck
- #10 Nails or Screws for flange (min. penetration 1-1/4" into structure)
- Window
- WRB
- Continuous Insulation
- Flashing (see WRB recommendations)
- Mitre Saw
- Measuring Tape
- Utility Knife
- Level
- Hammer
- Pencil
- Sealant Gun
- Safety Glasses & Hearing Protection



## Guidelines:

- Review the rough opening preparation from the window manufacturer, then *add an additional 1" overall to their rough opening recommendation* to accommodate ThermalBuck.
- Refer to the manufacturer's installation guides for the WRB, CI, and window, and consider best practices for integrating the installation steps.
- Avoid inhaling dust particles from machining ThermalBuck.
- Wear protective gear.
- Operate tools safely and follow manufacturer's operation guidelines.
- If injury occurs, seek medical attention immediately.

## Attention:

- Refer to the manufacturer's installation guides for the WRB, CI, and window, and consider best practices for integrating the installation steps. This is the responsibility of the architect, builder, consultant, and buyer.
- Request written product instruction, associated warranties and damage coverage, then provide this information and warranties to the end user and/or building owner for future reference.
- Follow all manufacturer's guidelines regarding material use, compatibility, preparation, personal safety, and disposal.
- Any alterations to the installation instructions and recommended materials could cause failures.

For additional information please refer to following document, FMA/AAMA/WDMA 500-16 Standard Practice for the Installation of Mounting Flange Windows into Walls Utilizing Foam Plastic Insulation (FPIS) with a Separate Water-Resistive Barrier (WRB). Available for download at [aaamanet.org](http://aaamanet.org)