PROGRESSIVEFOAM®
EXPECT EXTRAORDINARY

PROBOARD® VERSA™
PREMIUM GPS

PROBOARD® VERSA™ VP
PREMIUM GPS

Installation Instructions

Effective 10-14-24

PROGRESSIVEFOAM®
EXPECT EXTRAORDINARY

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1.0 Storage, Handling, and Installation Precaution Recommendations

1.1 When stored outdoors, all materials should be protected from exposure to direct sunlight using an opaque light-colored tarp or the original packaging. Unwrapped materials should be carefully rewrapped.

1.2 WARNING: Progressive Foam Technologies, Inc. (PFT) insulating sheathing and fanfold products are treated with a flame retardant; however, all foam plastic insulation will ignite if exposed to a heat source of sufficient heat and intensity. Protect foam plastic insulation from exposure to open flame or other ignition sources during shipment, storage, and installation.

1.3 Installation Guidelines: To protect PROBOARD® Premium products once installed and to ensure they return to their original dimensions after thermal expansion, follow these guidelines until cladding is installed over PROBOARD:

- 1.3.1 Eliminate or cover any surfaces reflecting sunlight onto PROBOARD Premium products or shield the affected areas.
- 1.3.2 If PROBOARD remains exposed on the wall for over 30 days, cover it. *Note: Faded printing on PROBOARD laminates is normal and does not affect their performance.*
- 1.3.3 Make sure all butt joints are tightly fitted for the highest performance achievement.

2.0 Useful Tools and Materials

2.1 Tape and Flashing:

- 2.1.1 For Weather Resistive Barrier [WRB] applications use 3M™ 8777 Flashing and Seam Tape
- 2.1.2 For non-WRB applications use approved AAMA 711 or AC 148 approved tapes or flashings

2.2 Approved Fastener Types

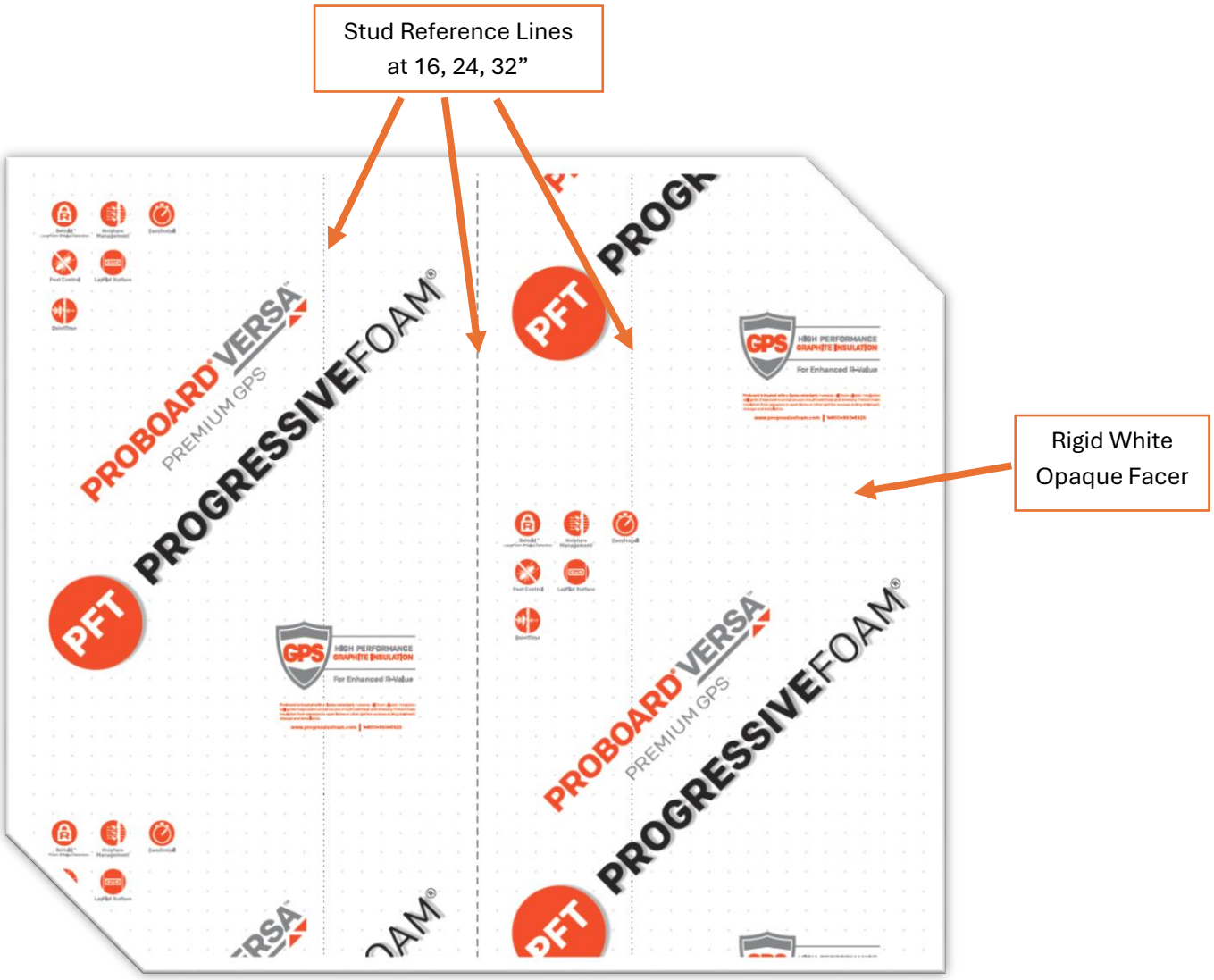
- 2.2.1 Button Cap Nails
- 2.2.2 Button Cap Staples
- 2.2.3 Screws and Washers
- 2.2.4 Roofing Nails

2.3 Other Tools

- 2.3.1 Tape Measure
- 2.3.2 Straight Edge
- 2.3.3 Utility Knife
- 2.3.4 Cordless Drill
- 2.3.5 Compatible Construction Adhesives

3.0 PROBOARD® VERSA™ Premium Products provide several enhanced benefits

- 3.1 PROBOARD VERSA products with Graphite Polystyrene (GPS) deliver R5 per nominal inch
- 3.2 Versatile products to meet any application needs
- 3.3 Film-facers feature rigidity and durability
- 3.4 White facer material helps mitigate heat build-up
- 3.5 Installation accuracy and efficiency with guide dots and guidelines on film facers



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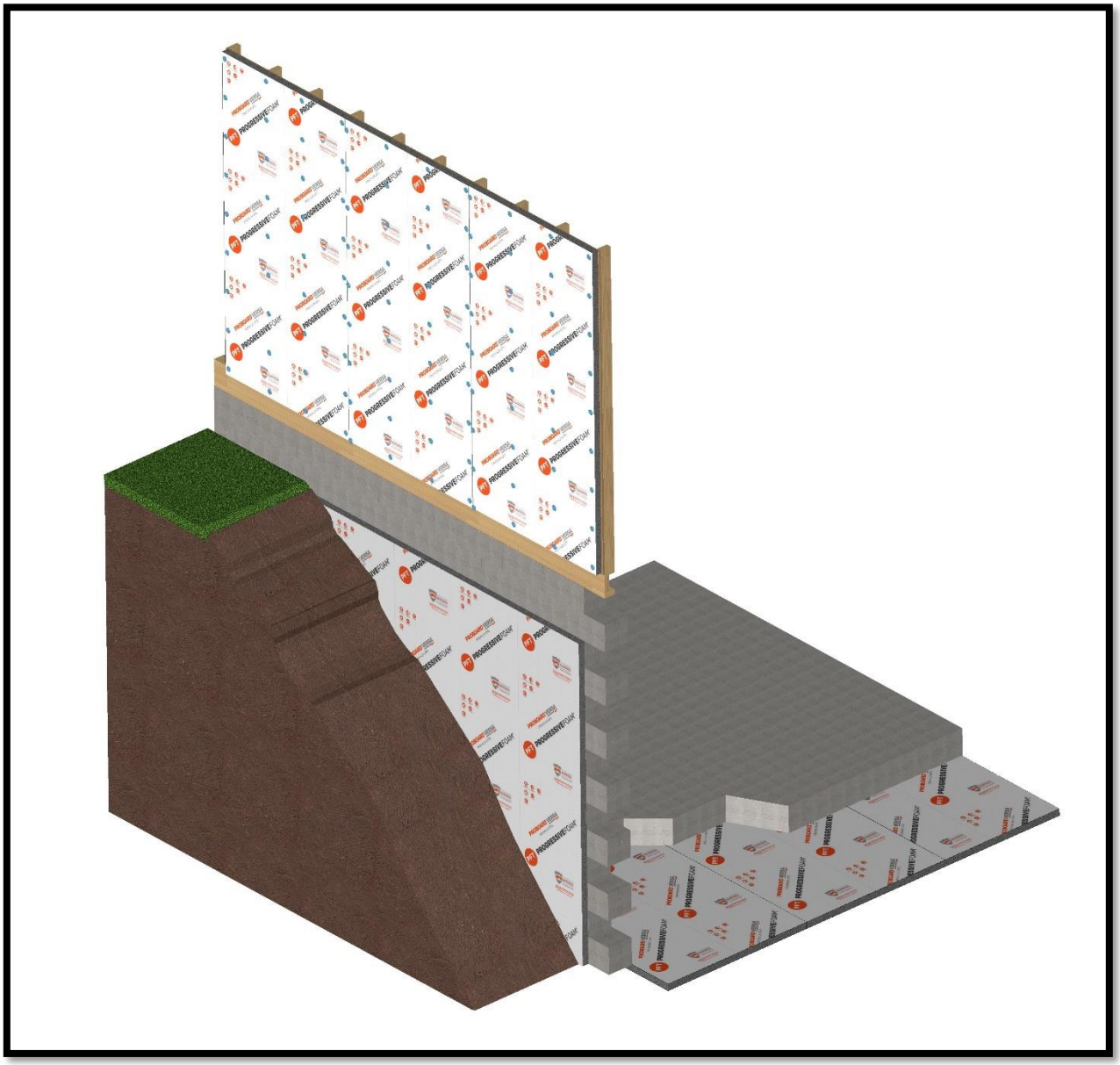
4.0 PROBOARD VERSA and PROBOARD VERSA VP are suitable for various construction applications

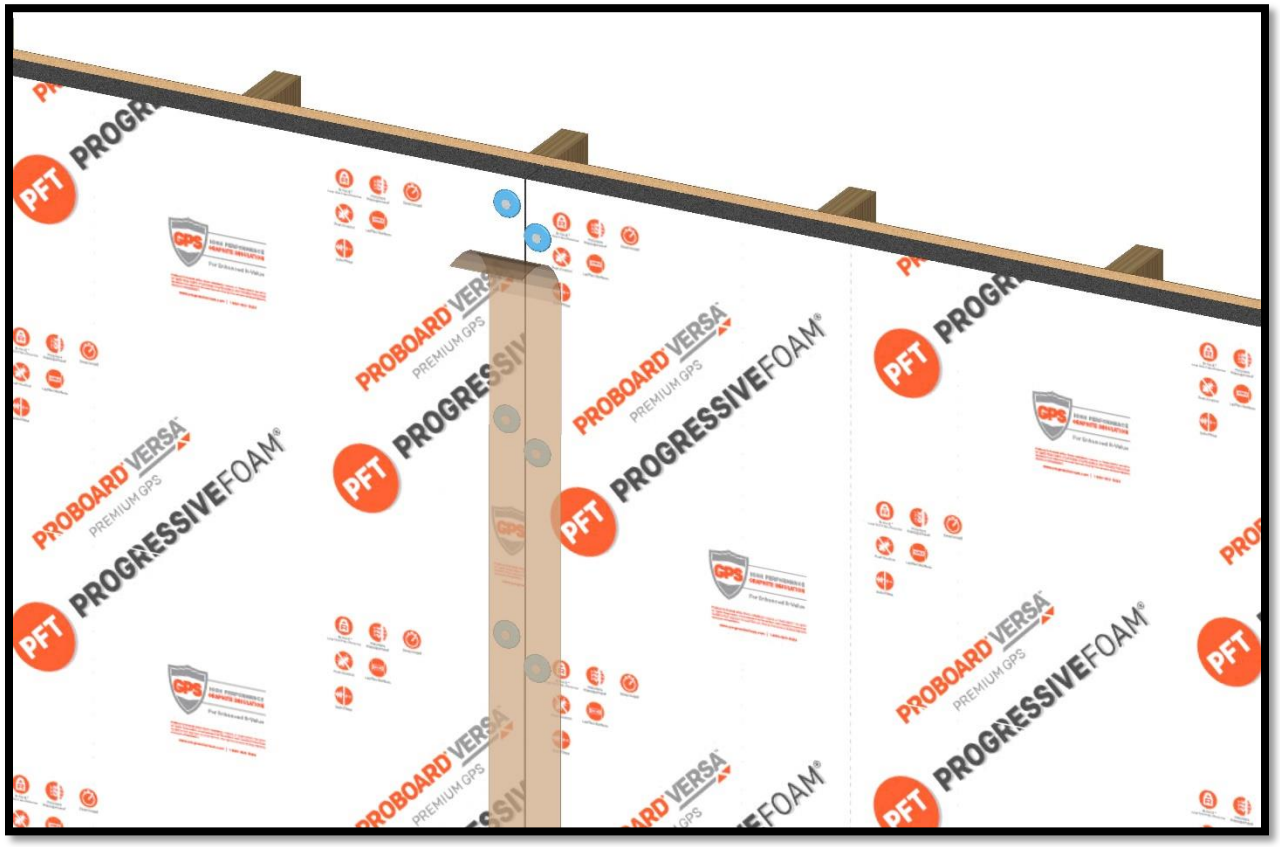
This ranges from Above-grade to Below Slab applications in Residential, Multi-Family, Commercial, and even Industrial Buildings all while providing Code-approved, High-Quality products for building needs.



5.0 **Installation Instructions:** PROBOARD VERSA WRB Application Above Grade

The instructions below are for a typical installation above grade. PROBOARD VERSA is designed to be used in place of standard house wrap but can also be used in conjunction with house wrap.

Note PROBOARD VERSA is designed with a White printed side and a Reflected unprinted side. The White printed side is intended to be installed towards the structure's exterior and the reflective side is installed facing it, however, both application directions are acceptable.*



5.1 Fasten the PROBOARD VERSA to the wall.

5.1.1 PROBOARD VERSA is designed to be fastened to a wall substrate like OSB or Plywood or to framing members like wood sheathing or steel studs.

5.1.2 Follow the local building codes for the fastening types, penetration depths, or, fastening schedule, or for a general guide, see section *9.0 FASTENER TYPES* for more details.

5.1.3 Product can be installed in the Horizontal or Vertical orientation.
**The vertical application is preferred for taller walls*.

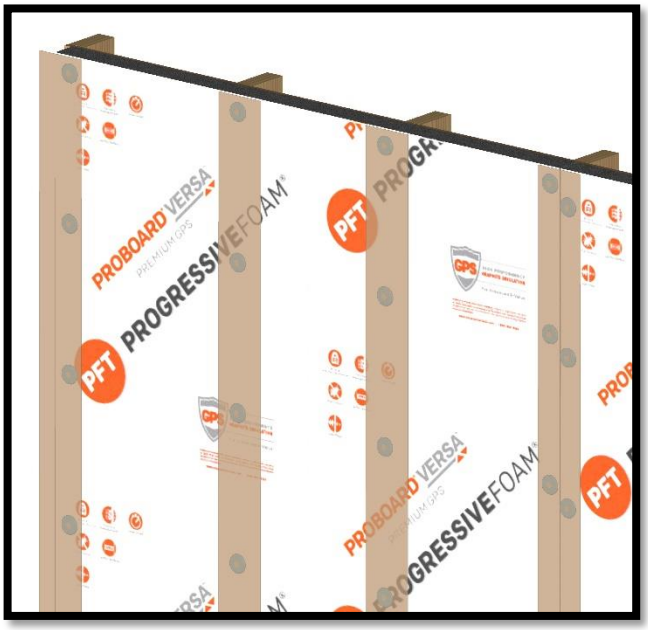
5.1.4 Once the product is installed on the wall per the desired application needs, use the 3M 8777 Joint Sealing Tape.

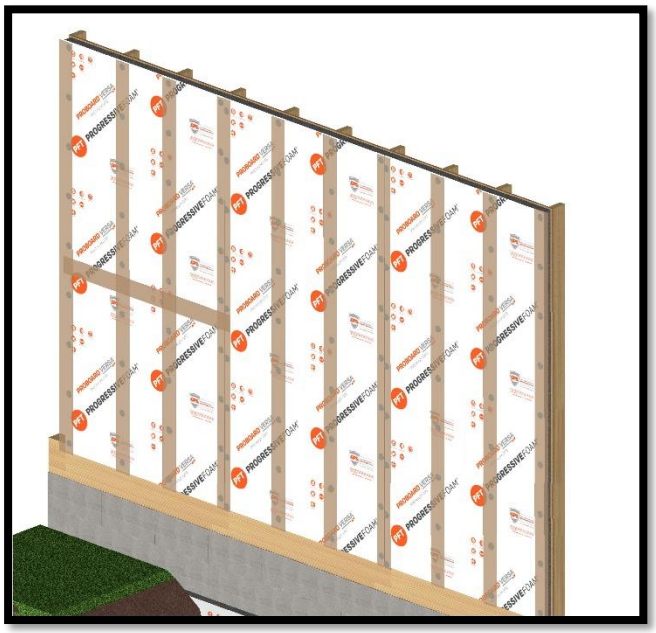
5.1.4.1 Ensure all Joints/Seams are completely covered with the tape allowing for a minimum of 1" [inch] overlap on each side of the joint/seam.

5.1.4.2 Where a Joint/Seam intersects a vertical and horizontal application [T-Joints], ensure the tape overlaps each other by a minimum of 1" [inch].

5.1.4.3 Each fastener must be covered with the 3M 8777 Joint Sealing Tape to ensure that WRB status complies with 3rd party testing.

5.1.4.4 Smooth out any excessive wrinkles or imperfections of the tape to eliminate the risk of moisture penetration.





6.0 **Installation Instructions:** PROBOARD VERSA VP for NON-WRB Application Above Grade

The below instructions are for a typical installation above grade. PROBOARD VERSA VP is designed to be used in conjunction with standard house wrap.

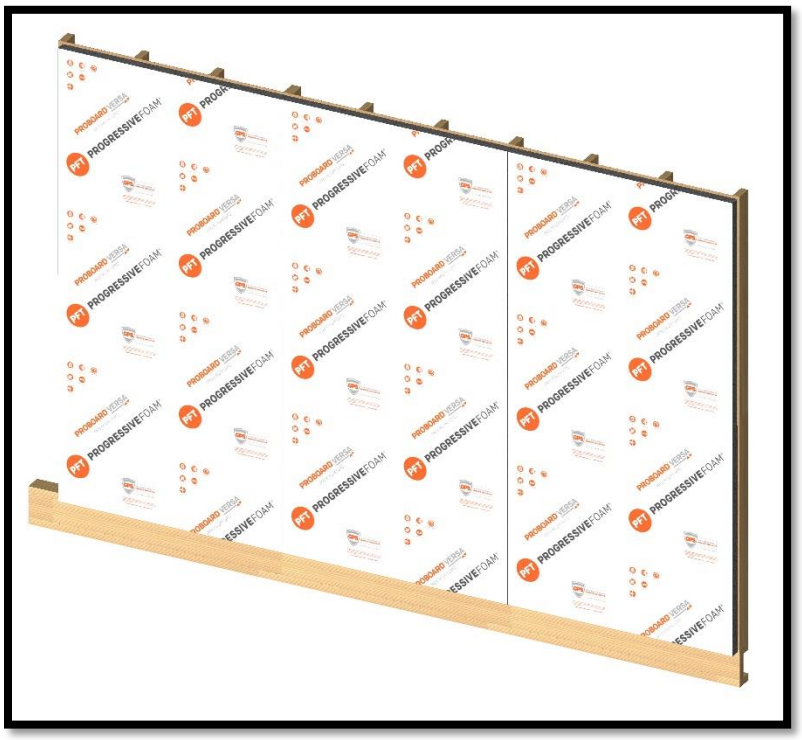
Note PROBOARD® VERSA VP is designed with a White printed side and a Reflected unprinted side, the White printed side is designed to be towards the exterior of the structure and the reflective side facing the structure, however, both application directions are acceptable.*

6.1 Fasten the PROBOARD® VERSA VP to the wall.

6.1.1 PROBOARD® VERSA VP is to be fastened to the wall substrate such as OSB or Plywood or to the framing members such as wood sheathing, wood, or steel studs.

6.1.2 Follow the local building codes for the fastening types, penetration depths, or fastening schedule or for a general guide see section *9.0 FASTENER TYPES* for more details.

6.1.3 Product can be installed in the Horizontal or Vertical orientation.
**The vertical application is preferred for taller walls.*



7.0 **Installation Instructions:** PROBOARD VERSA Below Slab [vapor barrier]

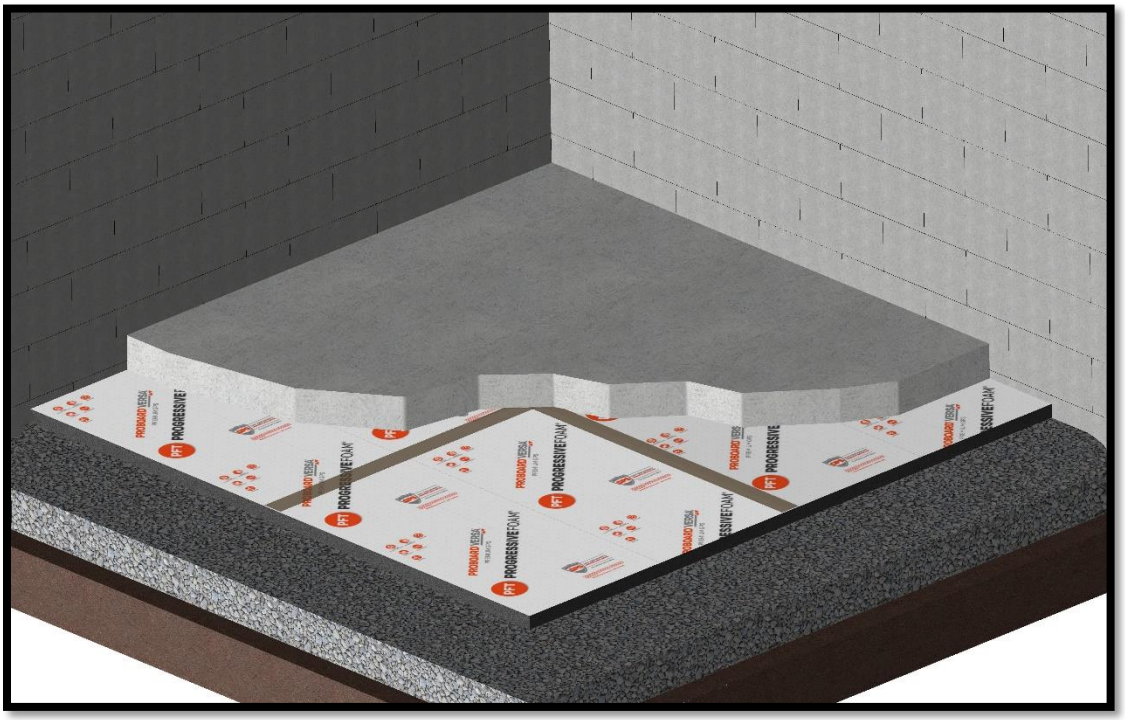
The instructions below are for a typical below-slab insulation application in use with PROBOARD VERSA. Consult your local building codes and inspectors for approved product applications and requirements for vapor barriers.

7.1 Prepare the base material [rock, gravel, soil, etc.] to be smooth and level.

7.2 Install the insulation board on the level surface.

7.3 PROBOARD VERSA is a class I Vapor Barrier when tested in accordance with ASTM E96 STANDARD TEST METHOD FOR WATER VAPOR TRANSMISSION OF MATERIALS.

- 7.3.1 PROBOARD VERSA can be used without an additional vapor barrier poly-film in certain scenarios.
  - 7.3.1.1 Consult your local building codes and specifications regarding approved vapor barrier materials and applications.
  - 7.3.1.2 If approved, using PROBOARD VERSA as a vapor barrier, tape all seams and all penetrations to qualify with use without a poly-film.



8.0 **Installation Instructions:** PROBOARD VERSA and PROBOARD VERSA VP Below Grade Perimeter Foundation

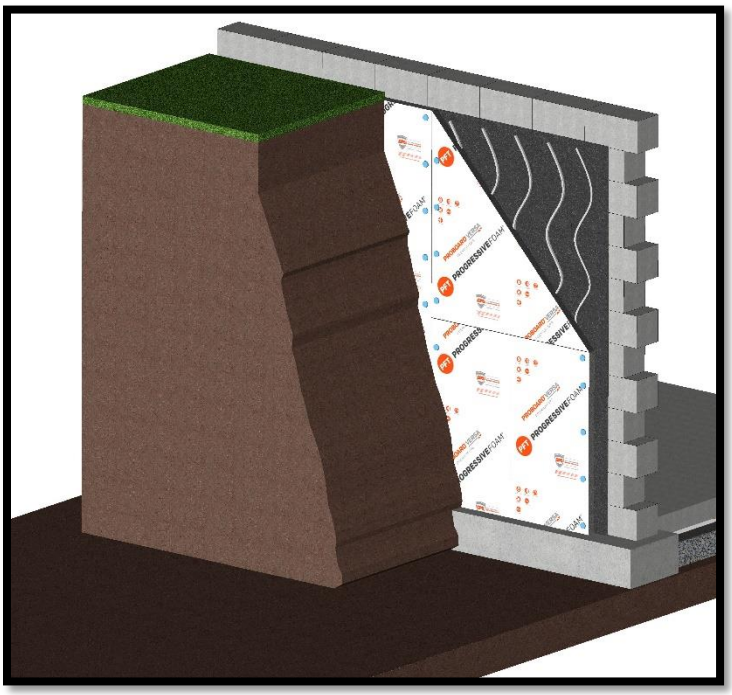
The instructions below are for a typical below-grade perimeter foundation insulation application for use with PROBOARD VERSA and PROBOARD VERSA VP. Before using with a below-grade foundation covering you should consult your local building codes and inspectors for approved product applications and requirements. Most applications require a waterproofing treatment before installation of the insulation boards.

8.1 Preparing the foundation

- 8.1.1 Remove any debris that could prevent the insulation from laying against the wall.
- 8.1.2 Clear away rock or soil from the surface and surrounding areas.
- 8.1.3 Ensure that the waterproofing material is dry before installation of sheathing boards.

8.2 Installing PROBOARD

- 8.2.1 Install the PROBOARD Material onto the foundation wall
  - 8.2.1.1 Can be used with approved weather-resistant construction adhesives or with fasteners that will hold the product in place before the backfill occurs.
- 8.2.2 Ensure the product is butted tightly together maximizing the intended R-Value.



- 8.2.3 Seal all joints with 3M 8777 Joint Seam Tape.
- 8.2.4 Seal around all penetrations and protrusions.

9.0 **Installation Instructions:** Fastener Types and Nailing Patterns

Fasteners with washers are recommended to ensure maximum security to the wall substrate.

9.1 Fastener Types Include but not limited to:

- Button Cap or Plastic Cap Nails
- Roofing Nails with at least ½" Heads
- Button Cap or Plastic Cap Staples
- Wood Screws with Metal Roofing Washers
- Weather Resistive Construction Adhesives

9.2 PROBOARD Nailing Patterns: The instructions below are guidelines for installing PROBOARD Products over sheathing and vertical stud wall cavities. Printed Stud reference dots and lines, on the product, are used to direct the installers to locate the studs and fastening locations.

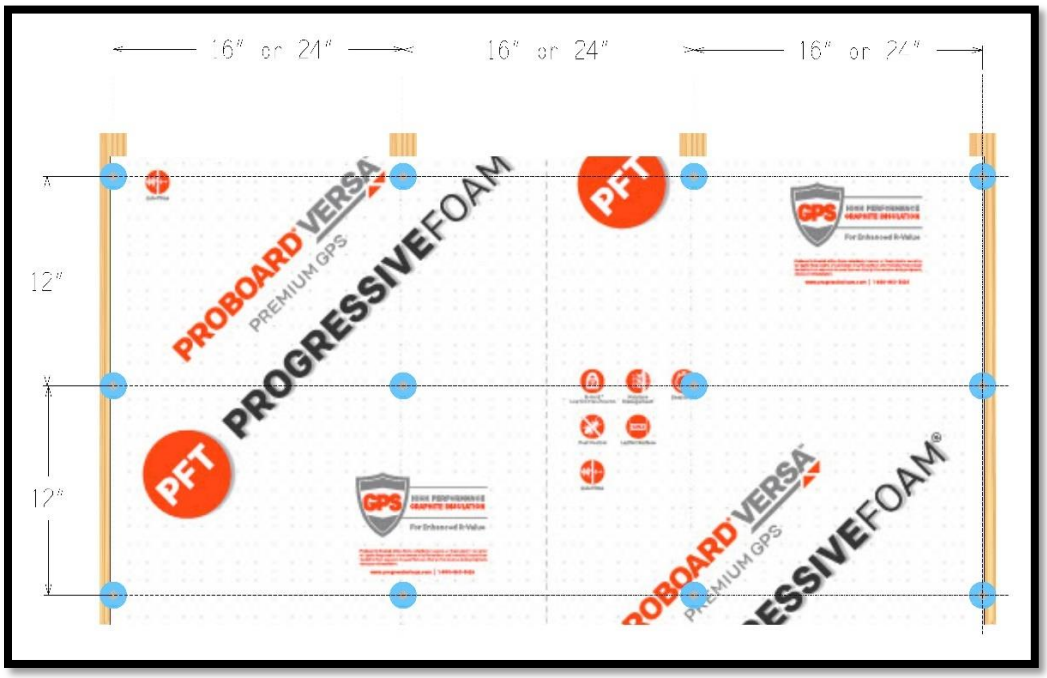
9.2.1 For WRB installations all joint seams and fastener penetrations must be sealed with the 3M 8777 Joint Sealing Tape.

9.2.2 See local building codes for required fastener lengths and stud penetration details.

9.2.3 Fastener spacing: For best wind-load resistance performance or prolonged exposure before final cladding application follow the below fastener schedule.

9.2.3.1 Going up the wall [vertical application] space the fasteners a minimum of 12" on center [OC] spacing.

9.2.3.2 Going across the wall [horizontal application] use the stud reference guidelines on the PROBOARD® Product to fasten directly into the studs [Note* studs may be spaced at 16" or 24" OC].



10.0 **Installation Instructions:** Product Repairs

PROBOARD Products are designed to be tough, durable, and last a lifetime. However, job sites can be hazardous during the installation process. Below are a few tips to ensure the maximum performance of the PROBOARD Products before they are covered with exterior cladding.

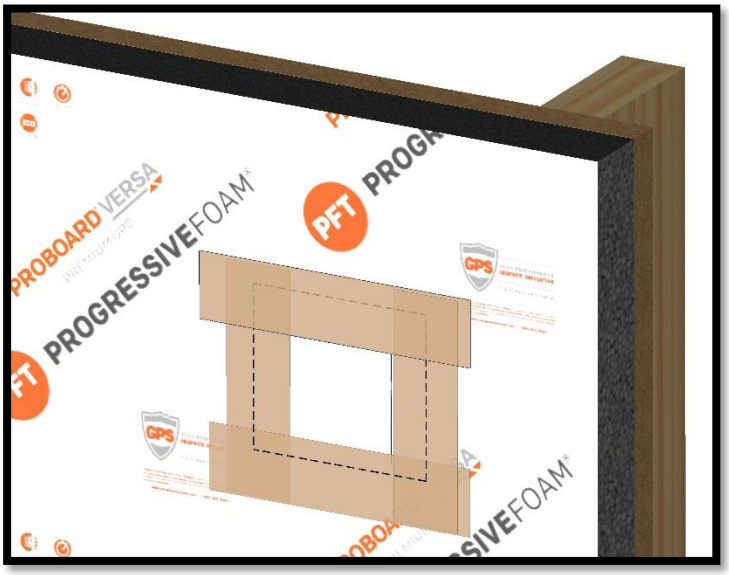
- Review the installation to ensure the boards are properly installed.
- Look for rips or tears in the taped seams
- Look for damaged areas and mark them for repair

10.1 Repairs

10.1.1 Safely cut around the damaged area and remove the damaged product.

10.1.1.1 Replace the damaged section of the board with a snug-fitting new section. Tape all penetrations and fasteners of the replaced product with the approved Joint Tape.

10.1.1.2 If the damage is minor and can be covered by a single layer of tape, tape over the damage and smooth the edges for desired results.



11.0 Warranty

Products covered by this Warranty include: PROBOARD® VERSA and PROBOARD®VERSA VP. We warrant that the actual thermal resistance of your Insulation will not vary by more than 5% from the system "R"-value printed on the label. "R"-value refers to resistance to heat flow. The higher the "R"-value, the greater the insulation power. We warrant that the structural integrity of your insulation will remain intact for the lifetime of your home. Because it does not absorb or retain water, it is not affected by freeze-thaw cycles and will not deteriorate or break down over time. Our insulation also contains PREVENTOL® TM EPS, a systemic insecticide that protects the foam from termite damage. We warrant that the permeability of your siding insulation will maintain its permeability rating throughout the life of the product. Permeability refers to resistance to the movement of water vapor. Both real-life experience and third-party testing have conclusively demonstrated that when properly installed, Progressive Foam insulation will not absorb more than 3% moisture OR CONTRIBUTE TO WATER OR MOISTURE DAMAGE IN ANY WAY. In the event that your siding insulation is proven to have not performed in accordance with this Warranty, and all appropriate steps outlined in this Warranty have been taken to validate your claim, we will: 1. Deliver to you an equivalent quantity of insulation. Progressive Foam Technologies, Inc. will pay for material and labor to replace your non-performing insulation (we will not replace any damaged exterior siding or cladding); OR 2. If we are unable to provide replacement insulation, or if you agree with us to accept a refund, we will refund to you the original purchase price of the non-performing insulation. Claim validation - the testing process We require that the "R"-value testing of your siding insulation and siding samples to be done according to the required ASTM test method for that product type. The permeability testing of your siding insulation and siding samples shall be done according to ASTM Test Method E96. The ASTM Test Method E96 is a permeability testing method that has been approved by the United States government. In the event that one or both of these test methods is unavailable, the samples shall be tested according to the closest equivalent test method available, which has been approved by us.

This Limited Lifetime Warranty covers the insulation for as long as you or the subsequent owner lives in or owns the home or building where the insulation product is installed.

12.0 Disclaimer and Limitation of Liability

The statements and data contained in this document prepared by Progressive Foam Technologies, Inc. (PFT) are for general information purposes ONLY. They are NOT specific technical recommendations as to any particular design or application and the ultimate determination as to product suitability is the sole responsibility of the installer or end user. However, for any PFT product to properly perform, it must be explicitly installed in the manner described herein. Any warranty is void if there is any deviance from these installation instructions, or any use of PFT products in any other manner unless described herein and will not be honored by PFT. All warranties, conditions and other terms implied by statute or common law are excluded to the maximum extent permitted by applicable laws. Unless expressly provided, this Web Site and the information and products and services available on is delivered "as is" without warranty of any kind. We do not warrant or represent that the products and services (or the information, material or services supplied to us on which all or part of the products and services depends) will be delivered free of any inaccuracies, interruptions, delays, omissions or errors ("Faults"), or that all Faults will be corrected. We shall not be liable for any loss, damage or cost resulting from any such Faults. You assume sole responsibility and entire risk as to the suitability and results obtained from use of the products and services, and any decisions made or actions taken based on the information contained in or generated by the Service. You are solely responsible for the preparation, content, accuracy and review of any documents, data, or output prepared or resulting from the use of the products and services. In no event shall PFT or its third-party providers be liable for any penalties, interest or taxes assessed by any governmental or regulatory authority. Although the information herein, including PFT product descriptions, is believed to be correct at the time of publication, accuracy cannot be guaranteed, and results may vary depending on the design and/or application. PFT fully reserves the right to make product specification changes, without notice or obligation, and to modify or discontinue any of its products at any time. In no event, shall PFT be liable for any direct, indirect, or consequential damages of any kind arising from information contained in this bulletin, including, but not limited to, claims for loss of profits, business interruption, or damages to business reputation. This limitation of liability shall apply to all claims whether those claims are based in contract, tort, or any legal cause of action. When penetrating or adhering to a PFT product, PFT recommends referring to the attachment and membrane manufacturers to secure additional direction on installation method and material compatibility. Fastening connections should be designed to withstand all the combined applied loads, including but not limited to dead-load and wind-load. Where applicable, consideration should be given to seismic-load, and live load (not covered in this guide). It is the responsibility of the manufacturers of the fastenings or adhesives to comment on the performance of their products when managing the loads of PFT insulation materials and other assembly components. PFT makes no representations or warranties, express or implied, with respect to its recommendations for attaching the semi-rigid and rigid board products and all warranties are disclaimed.