# Table of Contents

- General Guidelines and Application ............................................................... 5 - 6
- XCI OA - Fastening Hunter Xci Continuous Wall Insulation ............................... 7
  - Caulking Sealant and Adhesives
  - Expansion Joints
  - Mechanical Fasteners .................................................................................. 8
- 4' x 8' Hunter Xci Polyiso Over Steel Stud/Standard or FRT Wood Framing with
  Exterior Gypsum/Plywood/OSB Sheathing and
  Air/Vapor/Water Resistive Barrier Detailing
  - XCI-1 – 4' x 8' Polyiso Insulation Fastener Pattern ...................................... 10
  - XCI-2 – 4' x 8' Polyiso Insulation Adhesive Pattern ..................................... 11
  - XCI-3 – 4' x 8' Polyiso Insulation with Brick-Ties ........................................ 12
- 16” x 8' And 24” x 8' Hunter Xci Polyiso Over Steel Stud/Standard or FRT Wood Framing with
  Exterior Gypsum/Plywood/OSB Sheathing and Air/Vapor/ Water Resistive
  Barrier with Brick-Ties Already in Place Detailing
  - XCI-4 – 24” x 8’ Polyiso Insulation with Brick-Ties .............................. 13
  - XCI-5 – 24” x 8’ Polyiso Insulation with Brick-Ties .............................. 14
  - XCI-6 – 16” x 8’ Polyiso Insulation with Brick-Ties .............................. 15
- Termination at Foundation Detailing
  - XCI-7 – Polyiso Insulation Foundation Tie-In ............................................. 16
- Window Sill Detailing
  - XCI-8 – Polyiso Insulation Punched Window - Sill ..................................... 17
# Table of Contents (Continued)

- **Window Jamb Detailing**
  - XCI-9 – Polyiso Insulation Punched Window - Jamb ........................................ 18

- **Window Head Detailing**
  - XCI-10 – Polyiso Insulation Punched Window - Head ...................................... 19

- **Shelf Angle Detailing**
  - XCI-11 – Polyiso Insulation Shelf Angle ............................................................... 20

- **Parapet Detailing**
  - XCI-12 – Polyiso Insulation at Parapet ................................................................. 21

- **Expansion Joint Detailing**
  - XCI-13 – Vertical Expansion Joint ........................................................................ 22

- **Inside and Outside Corners Detailing**
  - XCI-14 – Outside/Inside Corners ........................................................................... 23

- **Mechanical/Electrical/Pipe Penetrations Detailing**
  - XCI-15 – Pipe and Penetration Flashing .................................................................. 24

- **Termination at Existing Construction Detailing**
  - XCI-16 – Termination at Existing Construction ...................................................... 25

- **Repair and Protection** ............................................................................................. 26

- **Hunter Xci Insulation Fastener Specifications** ....................................................... 27
This application guide has been assembled to assist in the application of Hunter Panels Xci polyisocyanurate (polyiso) insulation board and is intended to offer guidance to the construction community. It is intended to be used in conjunction with current Hunter Panels published literature. Other acceptable methods of application that are not depicted in this guide may be incorporated during construction provided all applications follow proven and sound construction techniques.
COORDINATION

- Pre-construction meeting shall cover all decisions pertaining to design so that the Hunter Xci polyiso is properly installed.
- Review submittals, surface preparation, installation procedures, special details, sequence of construction, responsibilities, mock-up requirements, inspection, testing and repair procedures.
- Mock-up shall establish procedures and workmanship that must be followed during installation.
- Review adjacent construction materials such as windows, doors, ducts, and other penetrations for conformance to manufacturer’s application instructions.
- Sequence and schedule installation of lashing and sealant to prevent damage and water infiltration.
- Refer to project-specific contract documentation for components manufactured by others.

SUBSTRATE

- Do not adhesively apply Hunter Xci polyiso and associated materials in ambient and substrate temperatures below 25°F. Provide properly vented, supplementary heat during adhesive installation and drying period when temperatures less than 25°F prevail.
- Do not adhesively apply Hunter Xci polyiso and associated materials to damp or frozen surfaces.
- Do not adhesively apply Hunter Xci polyiso in rain or if rain is expected a minimum of 16 hours after installation.
- Protrusions, mortar droppings shall be removed from surfaces and brick-ties to facilitate fit and finish of Hunter Xci polyiso.
- Limit exposure of Hunter Xci Foil, Hunter Xci Foil (Class A), Hunter Xci 286, Hunter Xci CG, Hunter Xci CG (Class A), and accessory products to a maximum of 60 days. If exposure limitation is exceeded, cover Hunter Xci polyiso with building wrap.

PROJECT/SITE CONDITIONS

- Do not adhesively apply Hunter Xci polyiso and associated materials in ambient and substrate temperatures below 25°F. Provide properly vented, supplementary heat during adhesive installation and drying period when temperatures less than 25°F prevail.
- Do not adhesively apply Hunter Xci polyiso and associated materials to damp or frozen surfaces.
- Do not adhesively apply Hunter Xci polyiso in rain or if rain is expected a minimum of 16 hours after installation.
- Protrusions, mortar droppings shall be removed from surfaces and brick-ties to facilitate fit and finish of Hunter Xci polyiso.
- Limit exposure of Hunter Xci Foil, Hunter Xci Foil (Class A), Hunter Xci 286, Hunter Xci CG, Hunter Xci CG (Class A), and accessory products to a maximum of 60 days. If exposure limitation is exceeded, cover Hunter Xci polyiso with building wrap.

DELIVERY, STORAGE AND HANDLING

- Protect polyiso during transportation, storage, and installation to avoid physical damage.
- Store Hunter Xci polyiso insulation boards flat and protected from direct sunlight and extreme heat.
- Store Hunter Xci polyiso in a dry place protected from exposure to moisture, off the ground and covered with a waterproof tarpaulin.
APPLICATION

• Protect surrounding areas and surfaces from damage.
• Hunter Xci polyiso shall be installed continuously and appropriately secured to deliver its maximum impact on building energy efficiency.
• Hunter Xci polyiso shall not be applied over walls while they are vulnerable to water intrusion from above or behind.
• Do not block flashing, weeps or other drainage paths with Hunter Xci polyiso insulation board.
• Ensure that a pinhole void free vapor/air/water resistive barrier application is achieved prior to Hunter Xci polyiso installation.
• Begin at base of wall from firm, permanent, or temporary support.
• Apply Hunter Xci polyiso horizontally in a running bond pattern using maximum board lengths to minimize number of joints. Offset Hunter Xci polyiso board joints minimum 6”. Hunter Xci polyiso may be applied vertically as required.
• Pre-cut Hunter Xci polyiso to fit openings and projections. Stagger vertical joints and corners. Stagger insulation and sheathing board joints minimum 6”. Hunter Xci polyiso insulation boards are cut with a knife using a square to guide the cut or table saw.
• Abut all joints tightly and ensure overall flush, level surface.
• Mechanically fasten Hunter Xci polyiso in accordance with proper fastening pattern as indicated. Space fasteners 12” o.c. at perimeter and 16” o.c. in the field. Set back perimeter fasteners 3/8” from board edges and end. One washer may be used to bridge adjoining boards.

Note: (XCI OA) Where Hunter Xci polyiso is installed by the same trade as the cladding, or in close cooperation with that trade: cladding attachment hardware can supplement or replace the insulation fasteners and insulation adhesive. Cladding fasteners fulfilling insulation attachment function shall be designed for this function. If the cladding attachment is 16” o.c. or closer, and it tightly secures the insulation, no additional fastening or adhesive is required.
• When adhesive is used periodically verify adhesion. Properly installed adhesively applied Hunter Xci polyiso cohesively break while still wet and destroy the substrate when dry.
• Install Hunter Xci polyiso in accordance with proper adhesive pattern as indicated in these instructions. A drainage plane is maintained when using recommended adhesive pattern.
• Fill gaps greater than 1/8” between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.
• Honor expansion joints as indicated on the drawings. Do not span expansion joints.
• During installation take precaution to minimize moisture intrusion behind Hunter Xci polyiso.
• Verify all materials are installed in accordance with current Hunter Panels published literature and local code requirements.
Hunter Panels feels strongly that the fastening of our non-nailbase products is dependent on the cladding material attachment. With products such as these the cladding materials must be fastened back to the structural wall through the continuous insulation, therefore minimizing the total number of penetrations will assist in achieving optimal thermal, vapor and air barrier performance. Each wall assembly should be analyzed so that the best method for cladding attachment can assist in reducing unnecessary penetrations of the continuous insulation.

When reviewing this guide you will see 4’ x 8’ boards drawn showing 28 fasteners per board on the pages displaying mechanical attachment. This was done to illustrate typical fastener patterns for non-structural sheathing materials (fasteners spaced 12” at perimeter and 16” in field). If cladding attachment fasteners also provide insulation securement, only a few fasteners may be required to hold the insulation board in place until the cladding is installed. Contact with the cladding manufacturer and/or the designer of the building to determine the method of attachment is recommended. Hunter Panels can assist with the number of fasteners are needed after the cladding attachment information is obtained.
CAULKING SEALANT/ADHESIVES

Sealants used to seal Hunter Xci polyiso insulation board gaps and gaps around penetrations where necessary. Adhesives may be used to help secure board where necessary.

During sealant installation ensure the sealant only bonds to two surfaces. It should not bond to a third surface; if it does the sealant will not properly perform. Follow sealant manufacturer’s suggested application process.

**NOTE:** Follow application instructions by sealant manufacturer. Do not install one-part sealants into joints exceeding ½” depth.

- CCW LM-800XL
- CCW 705 FR
- Sure-Seal Lap Sealant
- CCW-201
- Sure-Seal Universal Single-Ply Sealant
- Sikaflex -1A and 2C NS
- NovaLink by Chem Link
- NOVA-FLEX Multipurpose Adhesive Sealant
- Pecora Dynotrol I & II
- Sonneborn® NP1 & NP2™
- GE Silpruf, Silpruf LM
- Pecora 890, 895
- PL® 300 Foamboard adhesive by Loctite®
- Sonneborn Premium Adhesive by BASF
- Others as approved by Hunter Panels

Foam Sealant – TVM Fireblock Gun Foam can be used to fill Hunter Xci polyiso insulation board gaps. This orange-colored foam sealant expands to take the shape of the void, creating an airtight and water-resistant bond to the Hunter Xci polyiso. Application surfaces must be free of dust, debris, grease, and other contaminants that will adversely affect the bond. Moistening of the application surface will improve adhesion and cure while resulting in a more dense cellular structure. Installs in minutes and skin formation occurs in 10 minutes. Full cure time is 12-24 hours depending on project-specific weather conditions. Contact TVM Building Products directly for distribution locations and other questions relating to the Foam Sealant at 1-800-216-1223. Other similar products as approved by Hunter Panels may also be used.

EXPANSION JOINTS

Expansion joint placement and design is determined by the design professional. As a general guideline, expansion joints are installed at:

- Floor lines in multi-level wood frame construction
- Dissimilar substrates, materials or construction
- Joints that already exist in the substrates or support construction
- Changes in building height, shape or structural system
- Other areas of anticipated movement
- Between pre-fabricated panels

For specific expansion joint related questions regarding placement and design, Hunter Panels recommends that you contact the design professional.
RODENHOUSE MECHANICAL FASTENERS
Rodenhouse, Inc. Thermal Grip® ci washers with Grip-Deck® screws are recommended for steel or wood substrates. For concrete/block/masonry substrates Plasti-Grip® PMF fasteners are recommended. Fasten Hunter Xci polyiso insulation board to steel framing member with appropriate length fastener min. 4 threads of the fastener into steel framing and min. 1” into wood framing. Space fasteners 12” o.c. at perimeter (when able) and 16” o.c. in the field. Set back perimeter fasteners 3/8” from board edges and end. One washer may be used to bridge adjoining boards. The large 2” diameter of the Thermal Grip ci washer prevents blow-offs and provides excellent wind load resistance. When installed correctly, the Thermal Grip ci washer can effectively seal the screw penetration against air and moisture. Grip-Deck screws are provided in 1¼” – 6” in self-drilling or coarse thread for steel or wood framing. Coated screws are available for premium corrosion protection. Contact Rodenhouse, Inc. directly for distribution locations and other questions relating to the washer at 1-616-454-3100 (or toll free at 1-800-249-4747) or visit www.rodenhouse-inc.com.

WIND-LOCK MECHANICAL FASTENERS
Wind-lock ci-LOCK continuous insulation fasteners are recommended for use with steel or wood substrates. These ci-LOCK fasteners combine highly coated, corrosion resistant self-tapping screws with high-grade polypropylene plates. The unique design allows the plate to flatten out during application. Large ribs stiffen the plate and limit deflection. As the EIFS industry leading “fastener of choice”, Wind-lock has been providing mechanical fastening solutions for continuous insulation systems since 1985. With the ci-LOCK continuous insulation fastener, Wind-lock has taken the next step in leading the attachment of the newest generation of continuous insulation systems. Contact Wind-lock directly for distribution locations and other questions relating to their fasteners at 800-872-5625, or visit www.wind-lock.com.

NOTES
1. Take special care to avoid damage to the Hunter Xci polyiso during mechanical attachment. Other washers/fasteners designed specifically for rigid foam insulation application may be used.
**XCI 1**

**4’x8’ Polyiso Insulation Fastener Pattern**

Installation of 4’ x 8’ Hunter Xci Polyiso Over Steel Stud/Standard or FRT Wood Framing with Exterior Gypsum/ Plywood/OSB Sheathing and Air/Vapor/ Water Resistive Barrier

1. Begin at base of wall from firm, permanent, or temporary support.
2. Apply Hunter Xci polyiso horizontally in a running bond pattern using maximum board lengths to minimize number of joints. Offset Hunter Xci polyiso board joints minimum 6”. Hunter Xci polyiso may be applied vertically as required.
3. Pre-cut Hunter Xci polyiso to fit openings and projections. Stagger vertical joints and corners. Stagger insulation and sheathing board joints minimum 6”. Hunter Xci polyiso insulation boards are cut with a knife using a square to guide the cut or table saw.
4. Abut all joints tightly and ensure overall flush, level surface.
5. Fasten Hunter Xci polyiso insulation board to steel framing member with appropriate length fastener min. 4 threads of the fastener into steel framing, min. 1” into wood framing. Space fasteners 12” o.c. at perimeter and 16” o.c. in the field. Set back perimeter fasteners 3/8” from board edges and end. One washer may be used to bridge adjoining boards. Drive fasteners so that washer is tight and flush with the surface of the Hunter Xci polyiso, but do not over-tighten.

**NOTES**

1. Install approved fasteners (ref XCI-OA) 16” O/C along Stud Line and 12” O/C on perimeter.
2. Adhesive may be used as a placement aid to facilitate installation.
4' x 8' Polyiso Insulation Adhesive Pattern
Installation of 4' x 8' Hunter Xci Polyiso Over Steel Stud/ Standard or FRT Wood Framing with Exterior Gypsum/ Plywood/OSB Sheathing and Air/Vapor/ Water Resistive Barrier

1. Apply 3/8" thick by 3" diameter dabs of approved adhesive to the back of Hunter Xci polyiso (side that will face sheathing) in 4 rows with a minimum of 7 dabs per row. Space adhesive dabs evenly across the length of the board at no more than 16" o.c. Space dabs in rows of no more than 16" o.c. And no more than 3" from board ends and edges. Immediately place insulation boards against the wall surface before adhesive “skins”. If adhesive “skins” remove and apply fresh material. If Hunter Xci polyiso insulation is applied vertically, apply 3/8" thick by 3" diameter dabs of adhesive to the back of Hunter Xci polyiso in 7 rows with a minimum of 4 dabs per row. Space adhesive dabs evenly across the length of the board at no more than 16" o.c. Space dabs in rows of no more than 16" o.c. and no more than 3" from board ends and edges.

2. Begin installation from firm support, or washer with fasteners at base.

3. Pre-cut Hunter Xci polyiso to fit openings and projections. Stagger vertical joints and corners. Stagger insulation and sheathing board joints minimum 6". Hunter Xci polyiso insulation boards are cut with a knife using a square to guide the cut or table saw.

4. Abut all joints tightly and ensure overall flush, level surface.

NOTES

1. 3/8" thick by 3" diameter dabs of approved adhesive
2. Begin installation at base of wall from firm, permanent, or washer w/fasteners at base (REF XCI-0A)
4' x 8' Polyiso Insulation with Brick-Ties

Installation of 4' x 8' Hunter Xci Polyiso over Steel Stud/Standard or FRT Wood Framing with Exterior Gypsum/Plywood/OSB Sheathing and Air/Vapor/Water Resistive Barrier using brick ties for insulation attachment

1. Follow installation recommendations from XCI 0A on page 7.

2. Barrel style brick ties may be used for mechanical attachment provided recommended spacing pattern is honored.

3. Care should be taken when installing brick ties so that undue damage is not caused to the underlying barrier or Hunter Xci polyiso.

4. Abut all joints tightly and ensure overall flush level surface.

5. Fasten Hunter Xci polyiso insulation board to steel framing member with appropriate length fastener min. 4 threads of the fastener into steel framing, min. 1" into wood framing. Space fasteners 12" o.c. at perimeter when applicable and 16" o.c. in the field. Set back perimeter fasteners 3/8" from board edges and ends. One washer may be used to bridge adjoining boards. Drive fasteners so that washer is tight and flush with the surface of the Hunter Xci polyiso, but do not overtighten.

NOTES

1. Follow Brick Tie Manufacturer installation instructions
16" or 24" Polyiso Insulation with Brick-Ties

Installation of 16" x 8' or 24" x 8' Hunter Xci Polyiso Over Steel Stud/Standard or FRT Wood Framing with Exterior Gypsum/Plywood/OSB Sheathing and Air/Vapor/ Water Resistive Barrier with Brick-Ties already in place

1. Apply 3/8"-thick by 3" diameter dabs of approved adhesive to the back of Hunter Xci polyiso (side that will face sheathing) in 2 rows with a minimum of 7 dabs per row. Space adhesive dabs evenly across the length of the board at no more than 16" o.c. Space dabs in rows of no more than 16" o.c. (12" o.c. for 16"-wide Hunter Xci polyiso) and no more than 3" from board ends and edges. Immediately place insulation boards against the wall surface before adhesive "skins". If adhesive "skins" remove and apply fresh material.

2. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.

3. Verify all materials are installed in accordance with current Hunter Panels published literature and local code requirements.

NOTES

1. Follow Brick Tie Manufacturer insulation instructions
16" or 24" Polyiso Insulation with Brick-Ties

Installation of 16" or 24" Hunter Xci Polyiso Over Steel Stud/Standard or FRT Wood Framing with Exterior Gypsum/Plywood/OSB Sheathing and Air/Vapor/ Water Resistive Barrier with Brick-Ties

1. Begin at base of wall from firm, permanent, or temporary support.

2. Apply Hunter Xci polyiso horizontally in a running bond pattern using maximum board lengths to minimize number of joints. Offset Hunter Xci polyiso board joints minimum 6".

3. Pre-cut Hunter Xci polyiso to fit openings and projections. Stagger insulation and sheathing board joints minimum 6". Hunter Xci polyiso insulation boards are cut with a knife using a square to guide the cut or table saw.

4. Abut all joints tightly and ensure overall flush level surface.

5. Fasten Hunter Xci polyiso insulation board to steel framing member with appropriate length fastener min. 4 threads of the fastener into steel framing, min. 1" into wood framing. Space fasteners 12" o.c. at perimeter when applicable and 16" o.c. in the field. Set back perimeter fasteners 3/8" from board edges and ends. One washer may be used to bridge adjoining boards. Drive fasteners so that washer is tight and flush with the surface of the Hunter Xci polyiso, but do not over-tighten.

NOTES

1. Follow Brick Tie Manufacturer insulation instructions
16" or 24" wide Polyiso Insulation with Brick-Ties
Installation of 16" or 24" x 8' Hunter Xci Polyiso Over CMU and Air/Vapor/Water Resistive Barrier with Brick-Ties Already in Place

1. Begin at base of wall from firm, permanent, or temporary support.

2. Apply Hunter Xci polyiso horizontally in a running bond pattern using maximum board lengths to minimize number of joints. Offset Hunter Xci polyiso board joints minimum 6".

3. Pre-cut Hunter Xci polyiso to fit openings and projections. Stagger insulation and sheathing board joints minimum 6". Hunter Xci polyiso insulation boards are cut with a knife using a square to guide the cut or table saw.

4. Abut all joints tightly and ensure overall flush, level surface.

5. Apply 3/8" thick by 3" diameter dabs of approved adhesive to the back of Hunter Xci polyiso (side that will face sheathing) in 2 rows with a minimum of 7 dabs per row. Space adhesive dabs evenly across the length of the board at no more than 16" o.c. Space dabs in rows of no more than 12" o.c. And no more than 3" from board ends and edges. Immediately place insulation boards against the wall surface before adhesive "skins". If adhesive "skins" remove and apply fresh material.

6. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved adhesive and strike flush.

7. Verify all materials are installed in accordance with current Hunter Panels published literature and local code requirements.

NOTES

1. Rodenhouse, Inc. Plasti-Grip PMF fasteners (or approved equal) may be used to mechanically fasten the Hunter Xci polyiso by pre-drilling the insulation board and CMU. The Plasti-Grip PMF fastener is inserted into the hole and applied flush with a hammer.
XCI 7  Polyiso Insulation Foundation Tie-In
  Termination at Foundation

1. Verify air/vapor/water resistive barrier is properly installed and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2. Install membrane through-wall flashing over the air/vapor/water resistive barrier leaving the lower section loose. Incorporate termination bar and approved sealant as required.

3. Cut Hunter Xci polyiso with sloped top edge to support flashing. Mechanically or adhesively attach with minimum of one fastener or adhesive dab per linear foot.

4. Adhere membrane flashing through-wall flashing over sloped edge of Hunter Xci polyiso.

5. Cut Hunter Xci polyiso at angle to align with previous applied piece and mechanically or adhesively attach following the specified fastening and adhesive patterns above.

6. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.

NOTES
  1. Ensure drainage path is maintained and left unobstructed.
1 Verify air/vapor/water resistive barrier is properly installed and that the rough window opening has been properly flashed and treated and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2 Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.

3 Install Hunter Xci polyiso tight against the window sill buck using either the mechanical or adhesive attachment method described previously.

NOTES
1 Space washer with fastener 12" O/C at window perimeter
1. Verify air/vapor/water resistive barrier is properly installed and that the rough window opening has been properly treated and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2. Install Hunter Xci polyiso tight against the window jamb buck using either the mechanical or adhesive attachment method described previously.

3. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.

NOTES

1. Space washer with fastener 12" O/C at window perimeter.
1 Verify air/vapor/water resistive barrier is properly installed and that the rough window opening has been properly treated and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2 Install approved membrane through-wall flashing (by others) over the air/vapor/water resistive barrier leaving the lower section loose. Incorporate termination bar and approved sealant as required.

3 Cut Hunter Xci polyiso with sloped top edge to support flashing. Mechanically or adhesively attach with minimum of one fastener or adhesive dab per linear foot.

4 Adhere membrane thru-wall flashing (by others) over sloped edge of Hunter Xci polyiso.

5 Cut Hunter Xci polyiso at angle to align with previous applied piece and mechanically or adhesively attach following the specified fastening and adhesive patterns previously listed.

6 Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.

NOTES

1 Space washer with fastener 12" O/C at window perimeter
2 Install end dams at ends of through-wall flashing
3 Ensure drainage path is maintained and left unobstructed
1. Verify air/vapor/water resistive barrier is properly installed and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2. Install membrane through-wall flashing (by others) or other approved through-wall flashing over the air/vapor/water resistive barrier leaving the lower section loose. Incorporate termination bar and approved sealant as required.

3. Cut Hunter Xci polyiso with sloped top edge to support flashing. Mechanically or adhesively attach with minimum of one fastener or adhesive dab per linear foot.

4. Adhere membrane through-wall flashing (by others) or other approved through-wall flashing over sloped edge of Hunter Xci polyiso.

5. Cut Hunter Xci polyiso at angle to align with previous applied piece and mechanically or adhesively attach following the specified fastening and adhesive patterns previously listed.

6. Install Hunter Xci polyiso tight against underside of angle using either the mechanical or adhesive attachment method described previously.

7. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.
1. Verify air/vapor/water resistive barrier is properly installed and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2. Install Hunter Xci polyiso tight against parapet blocking using either the mechanical or adhesive attachment method described previously.

3. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.

NOTES

1. Ensure roofing is in place and that the building is dried, prior to Hunter Xci polyiso installation.
**HUNTER Xci POLYISOCYANURATE OVER AIR/VAPOR BARRIER
INSTALLATION GUIDELINES**

**XCI 13** Vertical Expansion Joint

1. Verify air/vapor/water resistive barrier is properly installed and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2. Verify expansion joint has been properly treated.

3. Install Hunter Xci polyiso against the joint but not over the joint using either the mechanical or adhesive attachment method described. Fill gaps greater than 1/8” between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.

**NOTES**

1. Expansion joint placement and design is per the design professional.
1. Verify air/vapor/water resistive barrier is properly installed and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2. With factory edges exposed, stagger vertical joints at inside and outside corners, interlocking each row of Hunter Xci polyiso. Make sure the corners are straight and plumb. Use either the mechanical or adhesive attachment method previously outlined.

3. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.
1 Verify air/vapor/water resistive barrier is properly installed and a pinhole void free application has been achieved around all mechanical and electrical boxes. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2 Rub the face of the mechanical/electrical box with chalk, place the Hunter Xci polyiso into place and thump the face. The profile of the box will be left on the facing. Cut along the marks and mechanically or adhesively attach the Hunter Xci polyiso as previously outlined.

3 Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.
1. Verify air/vapor/water resistive barrier is properly installed and a pinhole void free application has been achieved. Report any deficiencies and ensure applicable repairs are conducted prior to Hunter Xci polyiso installation.

2. Install Hunter Xci polyiso using either the mechanical or adhesive attachment method described previously. An expansion joint may be required at the abutment, verify with the design professional.

3. Fill gaps greater than 1/8" between insulation boards with expanding spray foam or butter edge of board with approved sealant and strike flush. Expanding spray foam may also be applied onto the insulation board edges during installation.
Repair and Protection

Repair damage to the insulation by cutting out and replacing damage with new Hunter Xci polyiso, or filling smaller damage with foam or caulking sealant. Mechanically fastened repairs will require that the Hunter Xci polyiso be brought to the nearest framing member/stud so that proper fastening pattern can be maintained. Maximum recommended outdoor exposure of Hunter Xci Foil, Hunter Xci Foil (Class A), Hunter Xci 286, Hunter Xci CG and Hunter Xci CG (Class A) and accessory products is 60 days.

Permitted outdoor exposure can be extended by covering Hunter Xci polyiso with mechanically attached building wrap. Cover Hunter Xci polyiso with cladding as soon as schedule allows.
## HUNTER Xci INSULATION FASTENER SPECIFICATIONS

<table>
<thead>
<tr>
<th>Insulation Product</th>
<th>Substrate</th>
<th>Screw</th>
<th>Washer</th>
<th>Minimum Penetration of Screw into Substrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hunter Xci Foil</td>
<td>Steel Stud, 12 to 20 gauge</td>
<td>#2 Bugle Head Phillips or equivalent size, single thread, with self-tapping point</td>
<td></td>
<td>Minimum 4 threads through steel stud</td>
</tr>
<tr>
<td>Hunter Xci Foil (Class A)</td>
<td>Standard or FRT Wood Studs</td>
<td>#2 Bugle Head Phillips or equivalent size, single thread, sharp-point wood screw</td>
<td></td>
<td>Minimum 1&quot; depth into wood stud</td>
</tr>
<tr>
<td>Hunter Xci CG</td>
<td>Wood Sheathing</td>
<td></td>
<td>Plastic screw</td>
<td>All the way through sheathing + 3/8&quot;</td>
</tr>
<tr>
<td>Hunter Xci CG (Class A) or Hunter Xci 286</td>
<td>Concrete, Concrete Block or Masonry, Option 1</td>
<td>#2 Bugle Head Phillips or equivalent size, high &amp; low hardened cutting threads with pyramid point</td>
<td></td>
<td>Minimum 1 1/2&quot; depth into concrete, concrete block or masonry</td>
</tr>
<tr>
<td></td>
<td>Concrete, Concrete Block or Masonry, Option 2</td>
<td>Plastic screw</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Manufacturer
- Rodenhouse, Inc.
  - Thermal-Grip® CI Washers fitted with Grip-Deck® Screws, Plasti-Grip® PMF Fasteners for concrete/masonry substrates
- Wind-Lock®
  - CI-Lock