



FiberWood CLADDING

INSTALLATION GUIDE



Elevate Your Outdoor Experience.

Elevate your living experience with Fiberwood Cladding. Explore our range of four captivating aesthetic editions and innovative features, meticulously designed to harmonize with any architectural style. Embrace the full potential of your outdoor space with outstanding ease of maintenance and unparalleled durability that will endure for years to come.

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CLADDING

CLASSIC – ROYAL – IMPERIAL – BOARD & BATTEN EDITIONS



1. What is Fiberwood Cladding

Fiberwood cladding is made from a mixture that consists of 60% hardwood dust, 30% from recycled clear plastics, 10% additives, pigments for the colors, and finally a protective envelope made of High Density Polyethylene (HDPE). Ninety percent of these products are made from recycled materials and are entirely recyclable making them environmentally friendly.

2. General Guidelines

Before you start any building, remodeling or renovation project, you should be aware and conform to municipal requirements and comply with all applicable building codes. Further, you should also have all necessary permits and obtain all certifications regarding your plans prior to starting any projects with our Fiberwood materials. Consumers and purchasers are solely responsible for the use that they make of these products. Local authorities often require plans, landscaping, implementation, design, esthetic considerations, structures, elevations , etc.



3. Safety Information

Make certain that your job site is kept clean and free of obstacles at all times. We do not condone the use of faulty tools that could jeopardize your health and safety or that of anyone that has to be present on your job site. Ensure that you are taking every step necessary towards safety. For example eye and hearing protection, high-visibility clothing and garments, respiratory protection, gloves and approved safety footwear, etc.

4. Static

In dry or windy environments, there may be a temporary build-up of static electricity, which can vary depending on climate and site conditions. Additionally, heat pumps and dryer vents that are situated close to, or directed towards cladding can also generate static electricity on the material. Fortunately, this static charge can be easily removed by rinsing the affected area with water.

5. Storage and Handling

Fiberwood products should ideally be stored in a sheltered area in order to keep them in perfect condition. Keep your items away from direct sunlight and keep them covered until you are ready to install them. They should also be kept safe from debris and hazards. Boards should always be stored on a flat surface and off the ground in order to permit water to drain away. Materials are delivered on a pallet covered in a weatherproof shroud that needs to cover the products at all times. This protection should suffice in keeping your Fiberwood products in pristine condition.

6. Environmental Considerations

Even though Fiberwood cladding is fully recyclable, we recommend that you adopt an environmentally friendly code of conduct and practices. We suggest that you use dust collection systems for all your machine tools, that you manage debris and offcuts as well as all packaging, be cautious about delicate habitats and species.

7. Fire & Heat Exposition

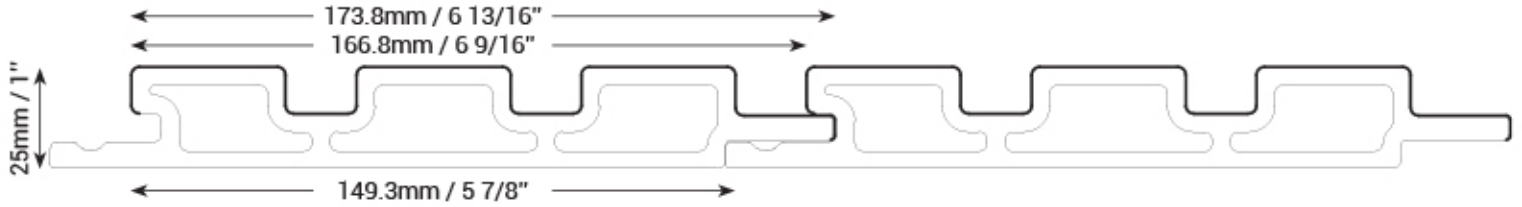
Although Fiberwood cladding products are highly resistant to fire and heat sources, it remains a potential to become a source of combustion. It is impossible for us to assess every parameter in order to answer questions pertaining to "distance from" and "what temperature." For example, factors like ambient temperature, wind speed and direction, sun exposition and cloud coverage, source and intensity of heat points all have an impact. We recommend taking precautions accordingly: composites have a fire point and a melting point. Although highly resistant, composites can be deformed and defaced by excessive heat exposure.

Reflected sunlight from glass doors and windows could also negatively impact your Fiberwood cladding boards and products. This reflected light could even originate from a neighbor's property. We recommend that these heat sources be identified and evaluated before purchasing and installing our products.

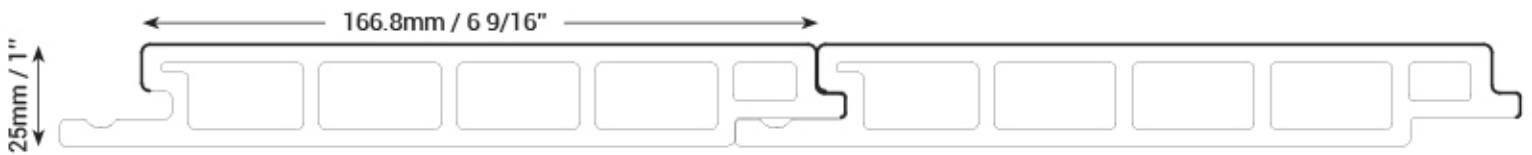
8. Technical Drawings

AVAILABLE LENGTHS: 10 AND 12FT

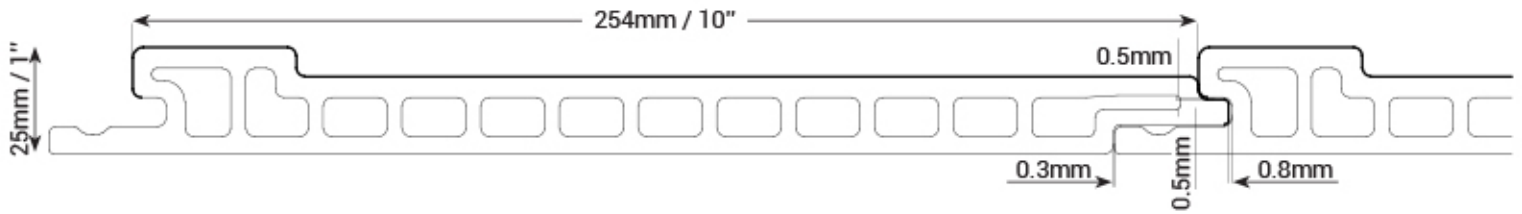
ROYAL EDITION



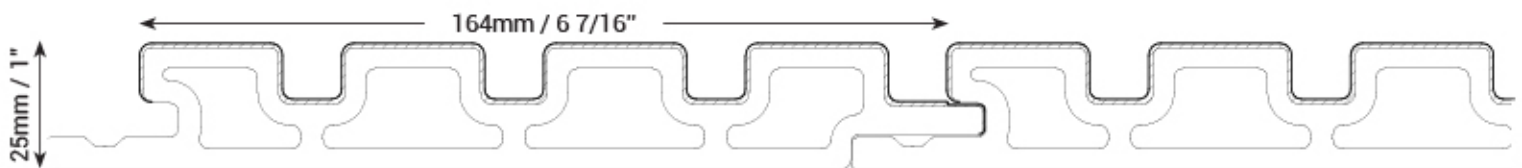
CLASSIC EDITION



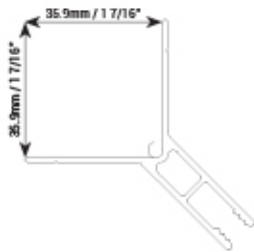
BOARD AND BATTEN EDITION



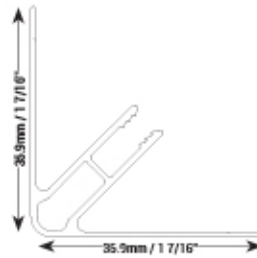
IMPERIAL EDITION



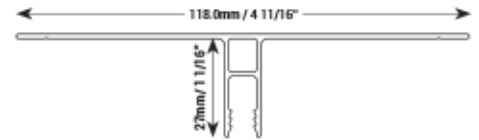
EXTERNAL CORNER TRIM
BACK PART



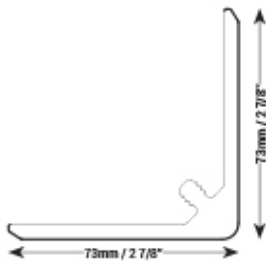
INTERNAL CORNER TRIM
BACK PART



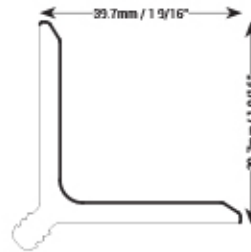
H TRIM
BACK PART



EXTERNAL CORNER TRIM
FRONT PART



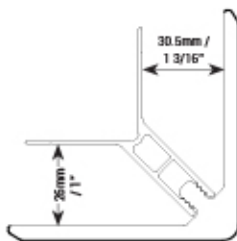
INTERNAL CORNER TRIM
FRONT PART



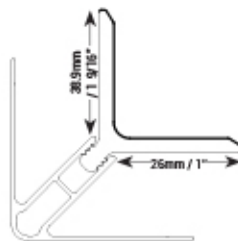
H TRIM
FRONT PART



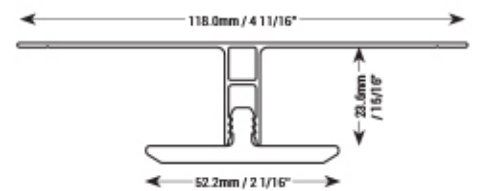
ASSEMBLED



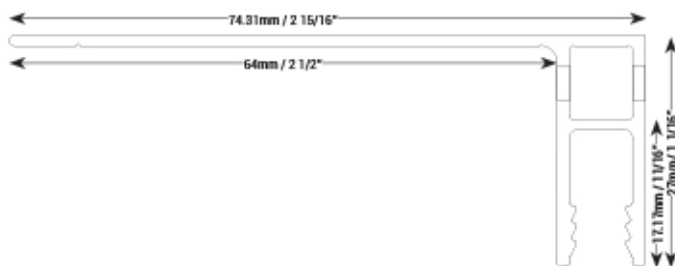
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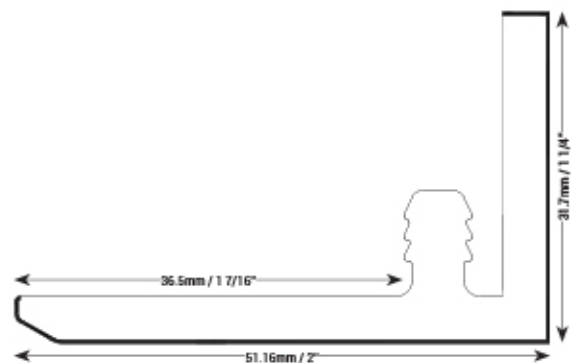
ASSEMBLED



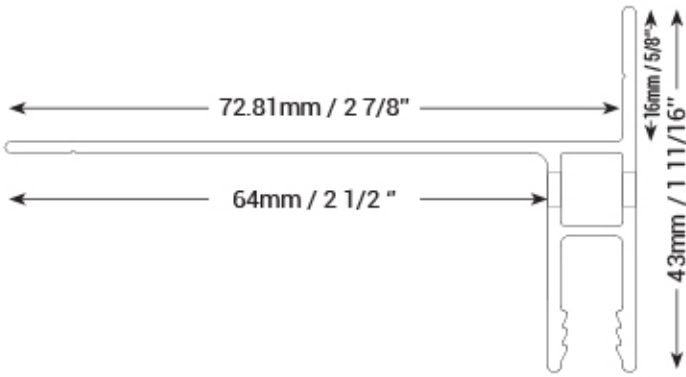
J TRIM - BACK PART



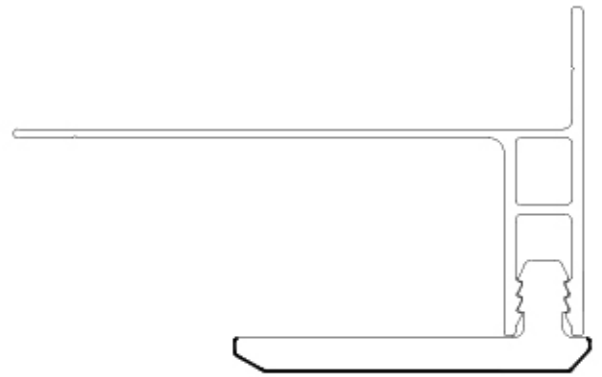
J TRIM - FRONT PART



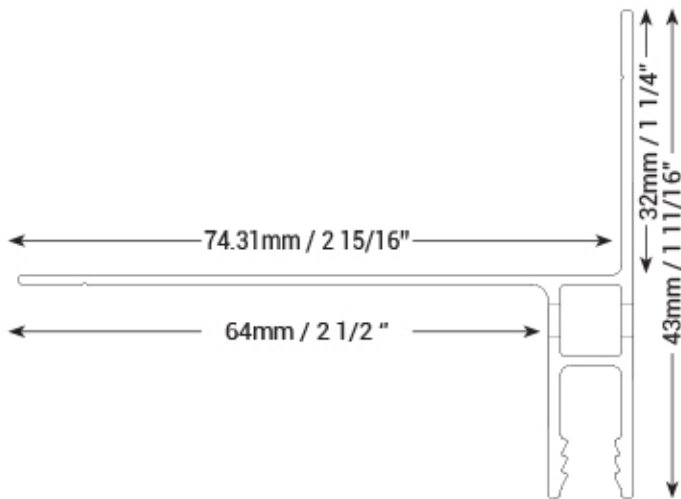
SINGLE STARTING TRIM - BACK PART



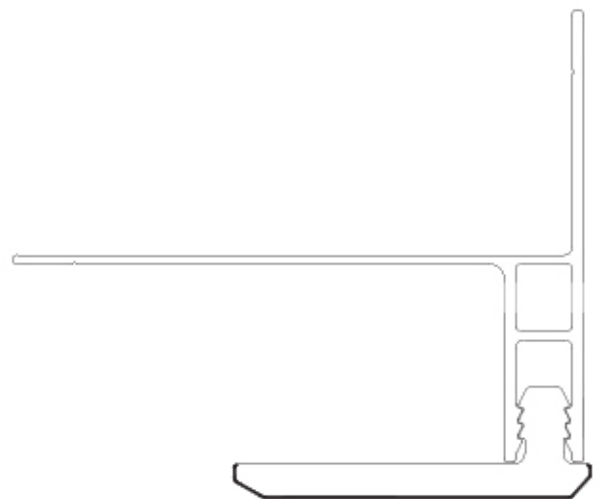
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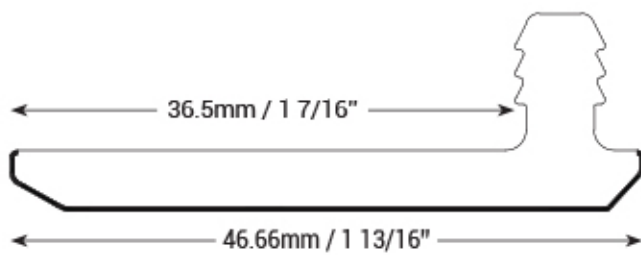
DOUBLE STARTING TRIM - BACK PART



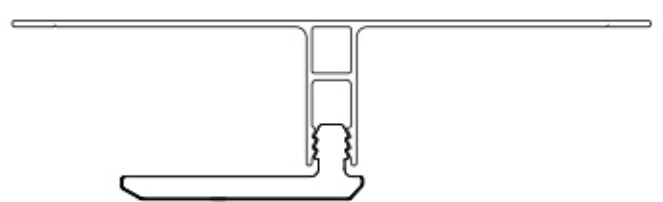
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TRANSITION TRIM - FRONT PART



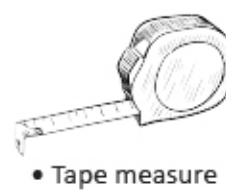
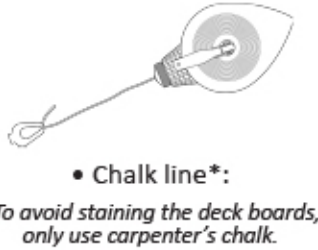
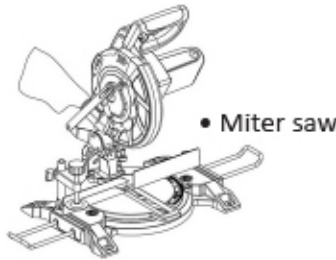
ASSEMBLED



9. Tools and equipment

No specific or exclusive tools are necessary to cut or customize Fiberwood cladding products. Normal and conventional tools that carpenters utilize on a regular basis will be appropriate. Carbide tipped blades are recommended for your mechanized tools.

TOOLS:



DO NOT USE YOUR CLADDING BOARD AS A WORK BENCH.

It's important to keep your cladding free of excess dirt, dust, debris, pavers, and other building materials during construction. Using your cladding as a storage place for building materials risks permanent damage from sharp objects or accidental strikes.

10. Aesthetic (design & layout)

Plans and drawings are great tools at this stage. They are easy to modify and customize and they will give a clear picture of the desired outcome for whomever will make the project come to fruition. Fiberwood cladding products are all unique in their colors and variegations. Make a visual inventory of your lot and perhaps even a temporary layout ahead of your permanent installation.



11. Before you begin

Verify that the walls are plumb, level, square, that the surfaces are planned, lines are straight, that intersecting walls are square... These observations will help you decide on the best course of action for the best results. It is important to refer to the technical drawings so that you can familiarize yourself with our products and all the possibilities.

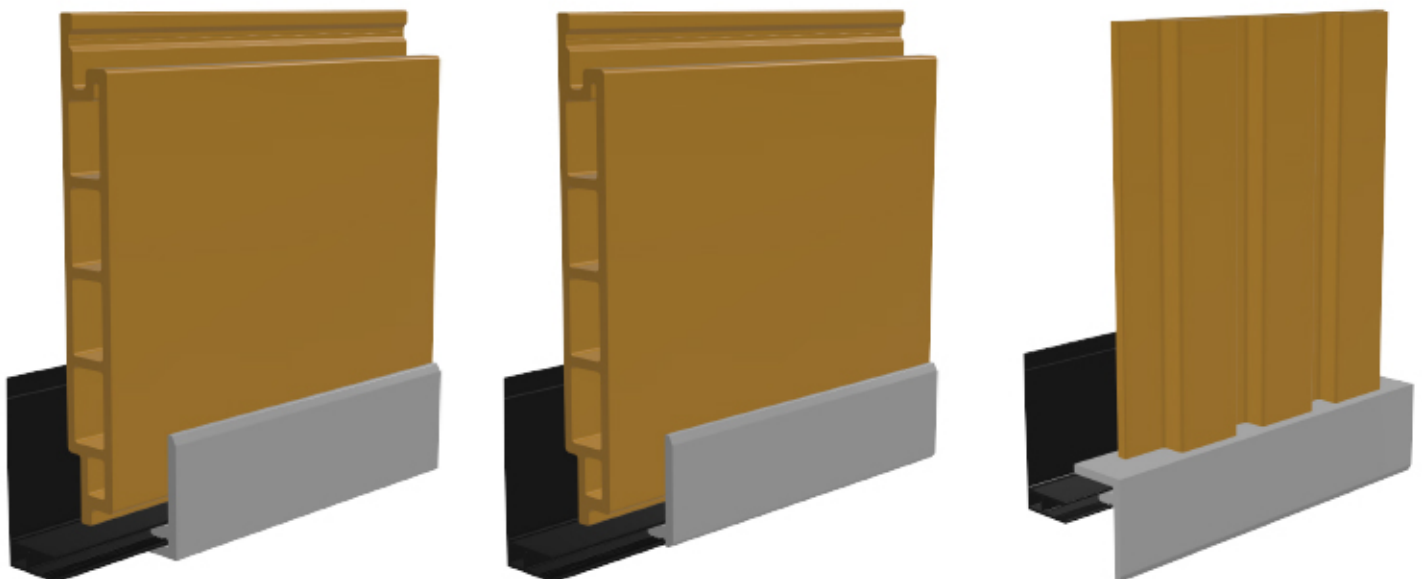
Exterior cladding not contributes to a building aesthetics, but it is technically a first line of defense against the elements. Although highly effective, Fiberwood cladding does not make a building weatherproof. The building envelop should be inspected and completed to codes and compliances before cladding is installed.

12. Moldings

The back parts of the mouldings need to be installed before anything else. Here are some common examples and explanations for the proper use of our mouldings.

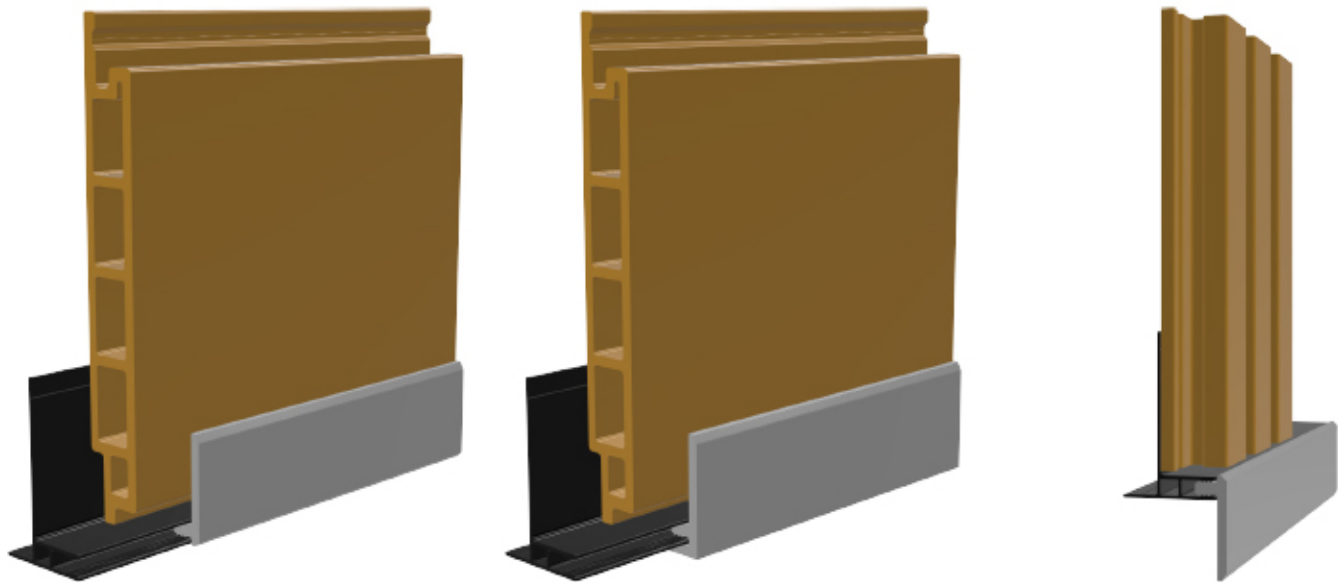
12.1 "J" Starter Trim

The "J" back can be used on any plane surface and combined with, but not limited to, the "J" front (used for the "Classic" board profile), the "starter/finishing" front (also used for the "Classic" board profile when the underside is non-apparent) or the "J" front pointing down (when installing cladding on the vertical axis).



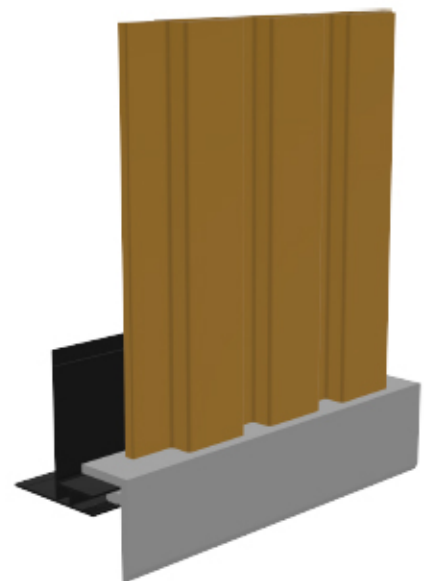
12.2 Single Starter Trim

The Single Starter Trim is commonly installed at the base of a new course of cladding and over either a wood furring strip rainscreen system or an underlayment type rainscreen system. This model of starter strip features a back lip meant to block out pests from entering the cavity created by the rainscreen volume but also to let air in and water out. This model can also be combined with a multitude of fronts like: the "J" front (used for the "Classic" board profile), the "starter/finishing" front (also used for the "Classic" board profile when the underside is non-apparent) or the "J" front pointing down (when installing cladding on the vertical axis).



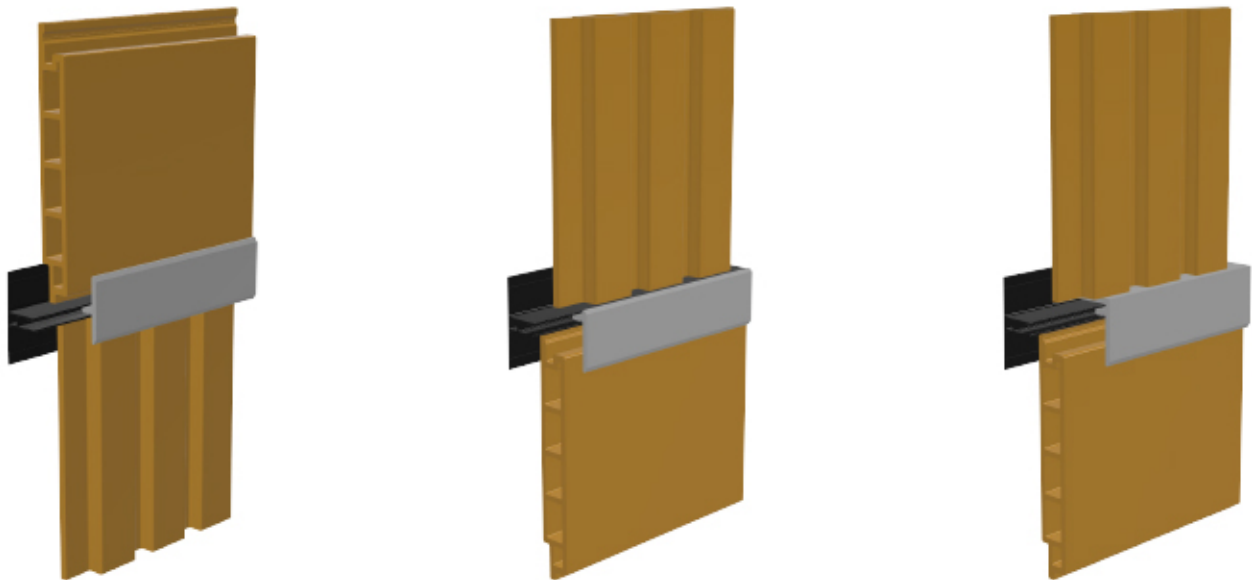
12.3 Double Starter Trim

The Double Starter Trim will almost only ever be used in a scenario of double wood furring rainscreen system. This method is employed when a vertical installation of the cladding boards is the desired look. This model of starter strip features a double wide back lip meant to block out pests from entering the cavity created by the rainscreen volume but also to let air in and water out. This model can also be combined with a multitude of fronts like: the "J" front (used for the "Classic" board profile), the "starter/finishing" front (also used for the "Classic" board profile when the underside is non-apparent) or the "J" front pointing down (when installing cladding on the vertical axis). Note that the front part of our moulding system, in this arrangement, is easier to install before the cladding boards are installed.



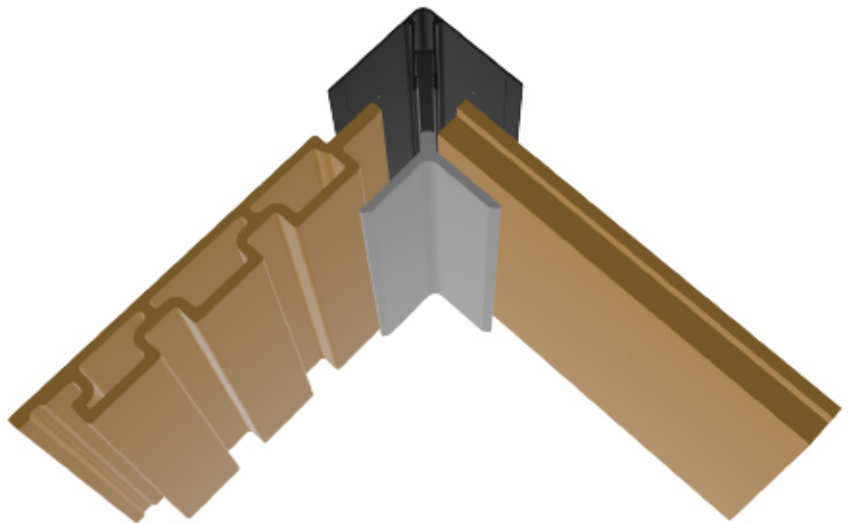
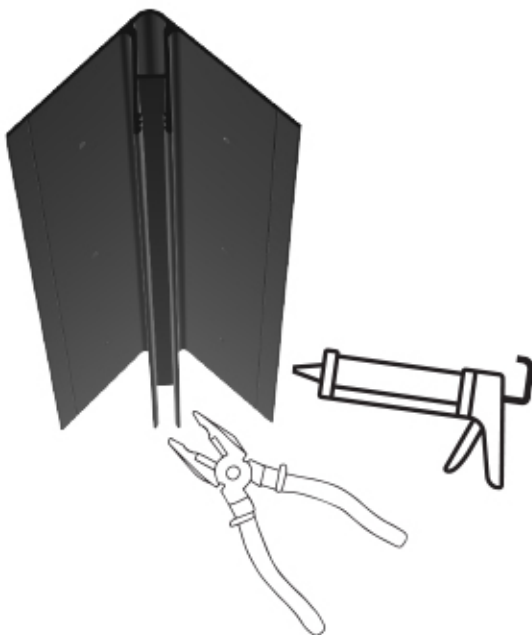
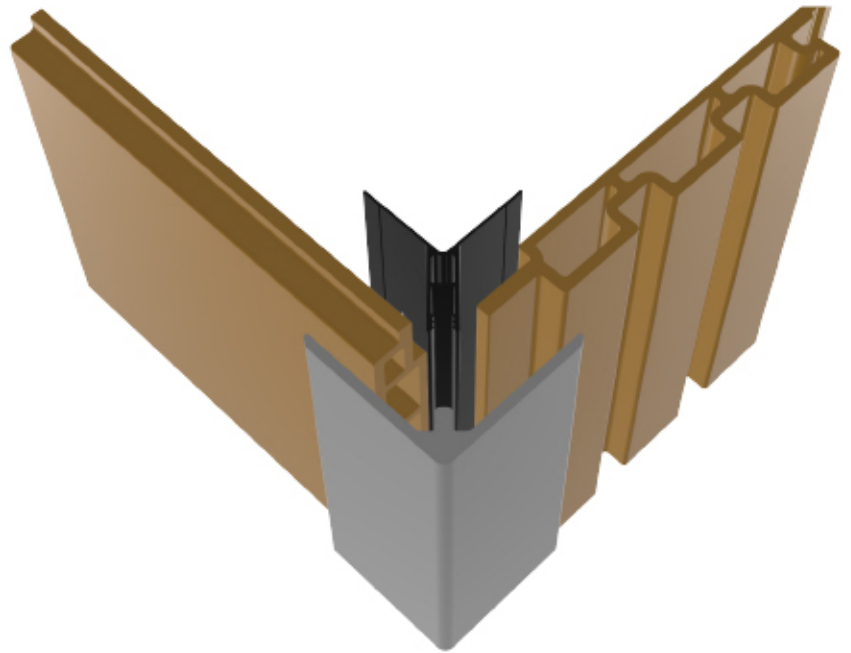
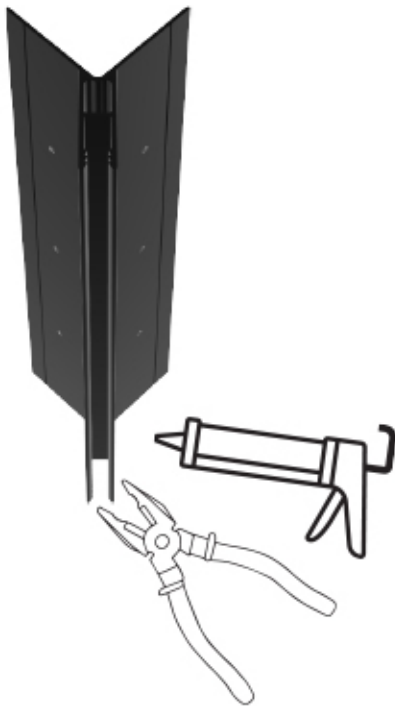
12.4 H-shaped trim

The “H” shaped trims will mainly be installed vertically but can also occasionally be installed horizontally. They are most commonly used when the wall section is longer than the boards. They are also used when there is a change in color or type of cladding. We do not recommend using the front H for a horizontal transition when you want to install a board profile that has an irregular surface, such as the “Board & Batten” model, for example.



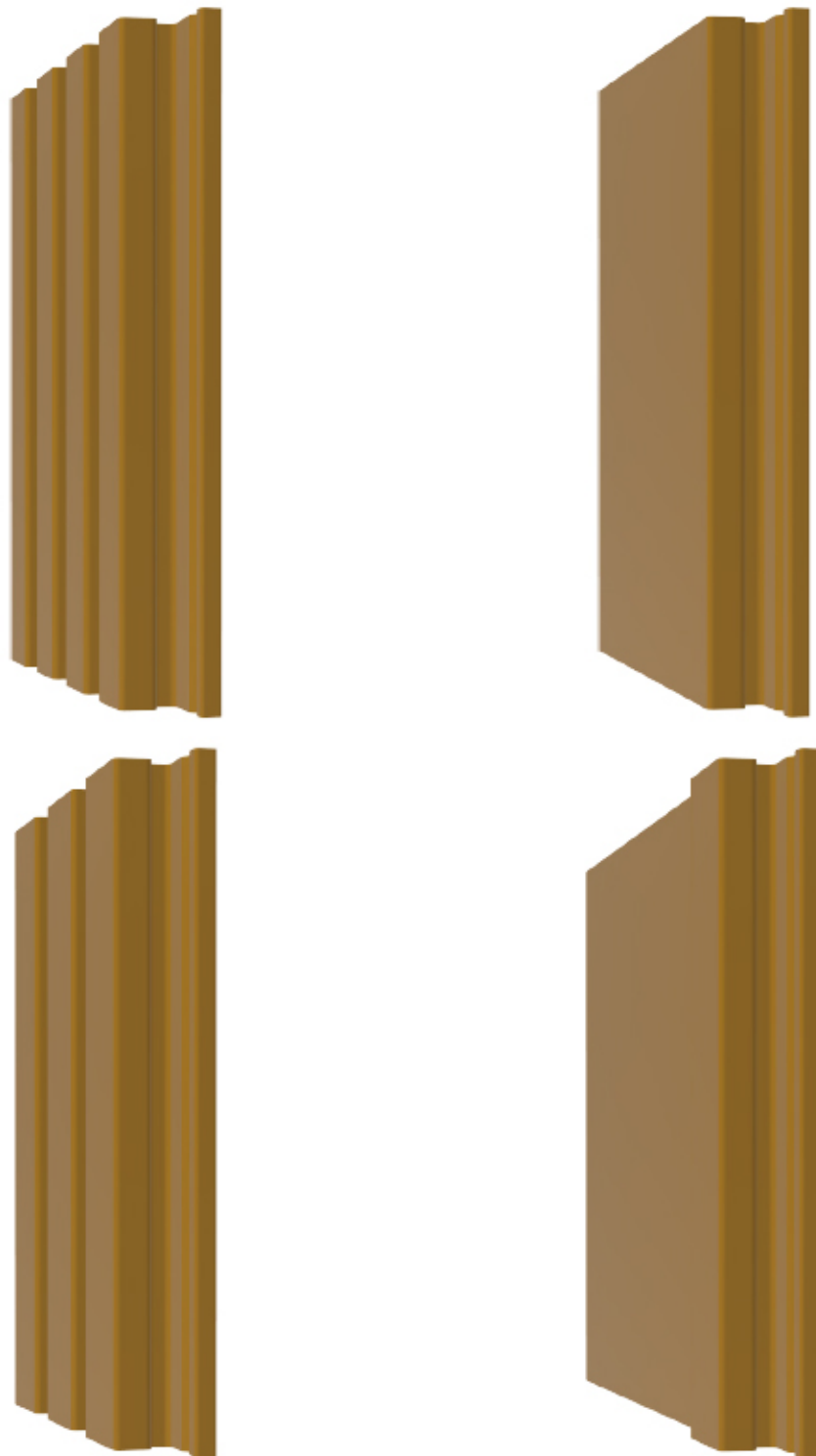
12.5 Exterior Corner Trim and Interior Corner Trim

Both the Exterior Corner Trim and the Interior Corner Trim are designed to be installed on or in a 90-degree corner. The back parts need to be installed before the cladding boards. Slightly pinch with a pair of pliers the bottom and top of the groove and apply beads of caulking. Once the board installation complete, then the front parts can be installed.



12.6 No bottom molding

In a vertical cladding layout scenario, it is possible to install the boards on the wall without using a bottom molding. Do not butt the boards to themselves. If the course is going to be longer than ten or twelve feet (available lengths of cladding boards), then a trim and molding system must be used.





13. First Step

- Install your starter trim backer, inside and outside backers and all other necessary backers like the ones for windows and doors.

14. Fastening System

- Fiberwood siding is easily and quickly installed using our proprietary cladding screws. Fiberwood profiles include a fastening flange, which is concealed by the installation of subsequent rows.

IMPORTANT: COMPLIANCE WITH FIBERWOOD'S INSTALLATION, STORAGE AND MAINTENANCE REQUIREMENTS, AND WITH ALL APPLICABLE BUILDING CODES IS MANDATORY. PROBLEMS CAUSED BY FAILURE TO COMPLY WITH THESE REQUIREMENTS AND CODES MAY NOT BE COVERED BY THE APPLICABLE WARRANTIES.

15. Cladding Installation



ROYAL EDITION



IMPERIAL EDITION



CLASSIC EDITION



BOARD & BATTEN EDITION

All our boards can be installed both vertically and horizontally.

Installation of Furring Strips Vertically

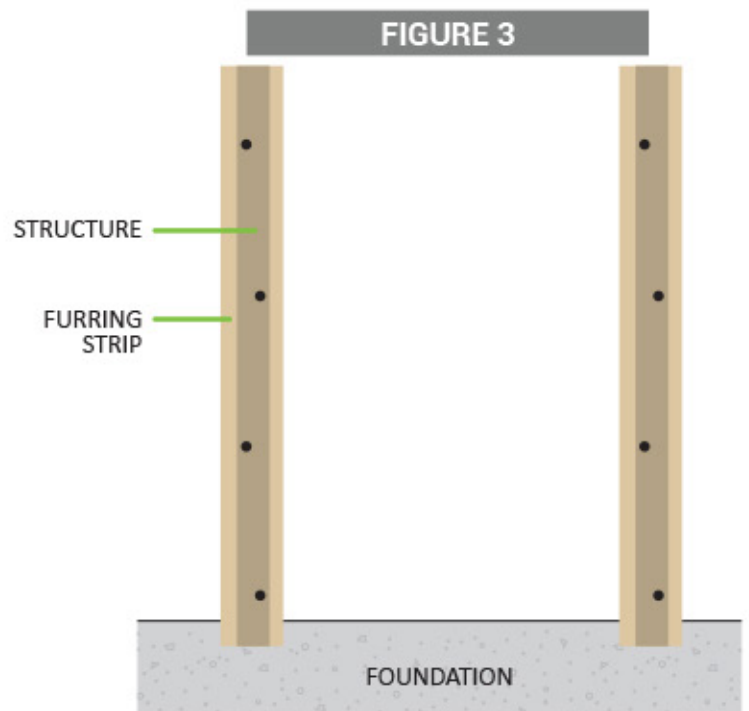
All Fiberwood cladding profiles can be installed directly onto a rigid and structural substrate.

Furring Strip Specifications

- Do not use smaller than 1" x 3" furring strips. If the nailing substrate is not sufficient, use 2" x 3" studs.

Installation of Furring Strips

- Fiberwood cladding needs to be supported at a maximum spacing of 16" O/C.



16. Preparing the Bottom of Walls and the Starter Course

Use one of the following trims for the starter course:

- **Single starter trim:** Starter course all around the building. Eliminates visible screws on the first row.[FIGURE 5]
- **Double starter trim:** Use the universal band if furring strips exceed 3/4" in thickness or if insulation panels are used. The ventilated band will cover the furring or insulation panels while preventing potential rodents and certain insects from getting in behind the siding.

Install the ventilated strip with a precision (laser) level or other type of level directly over the furring strips. The bottom of the furring strips should reach to the bottom of the ventilated strip. Secure with 2 screws horizontally every 16".

If a ventilated strip other than the ventilated single or double starter strip is used, the bottom of the first course of siding must extend at least 1/4" but no more than 1" past the bottom of the furring strip to allow for adequate water drainage.

FIGURE 4

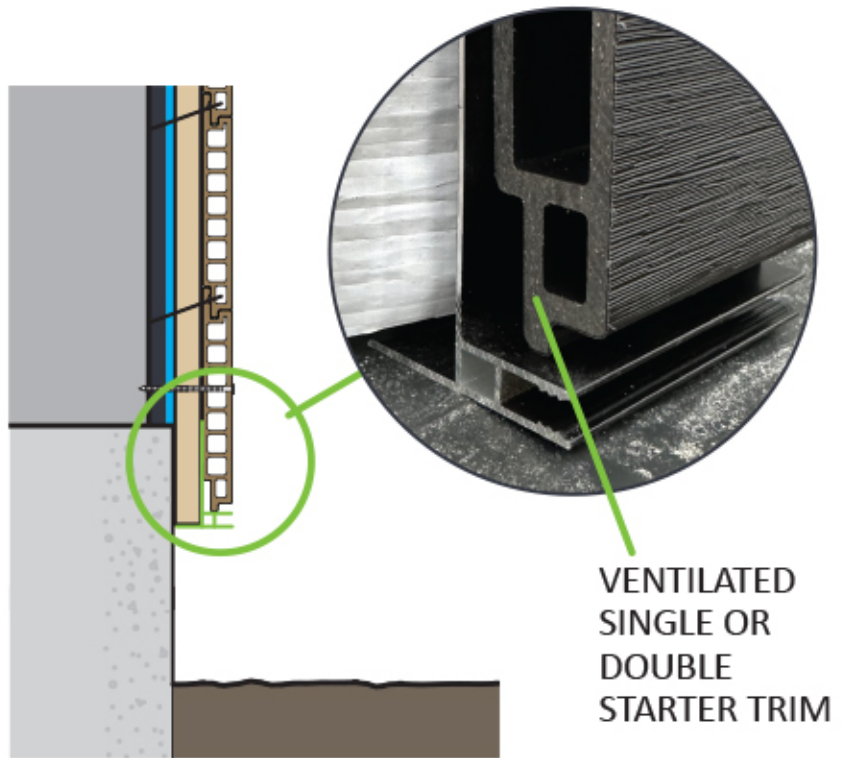
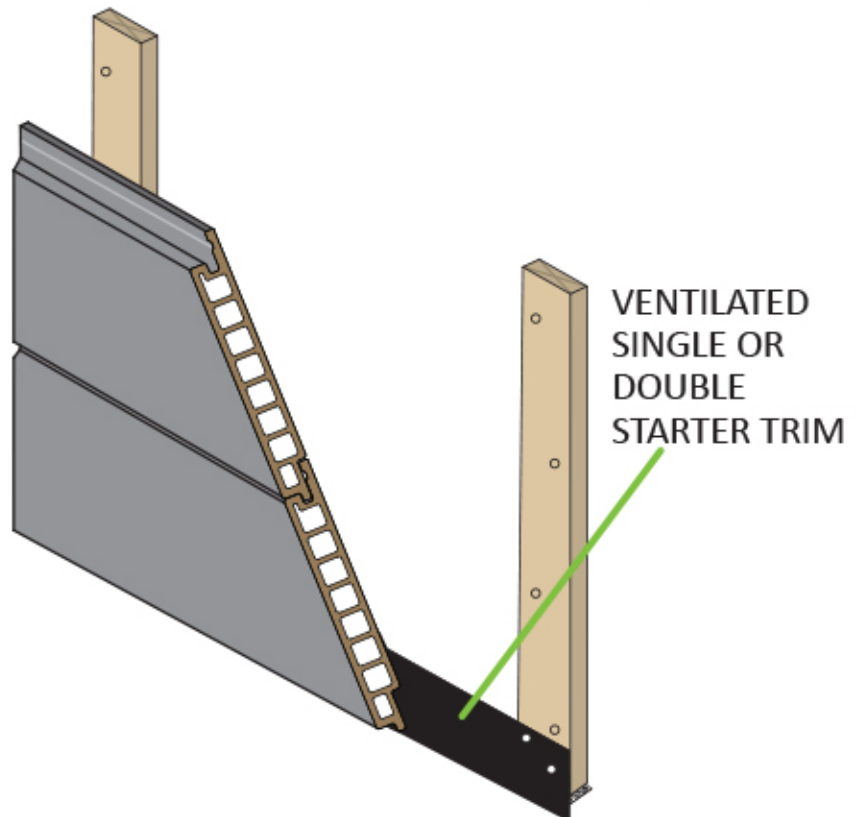


FIGURE 5



17. Subsequent Courses

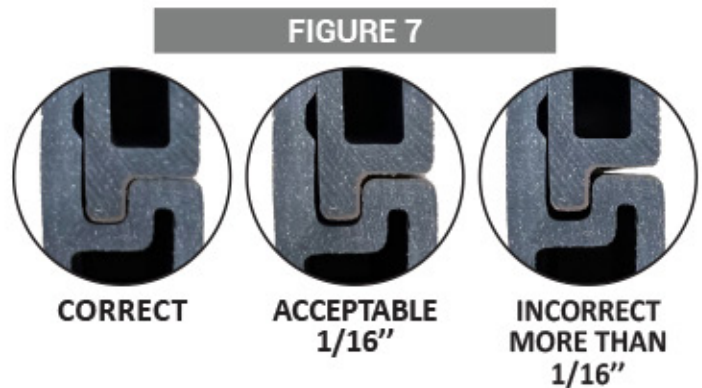
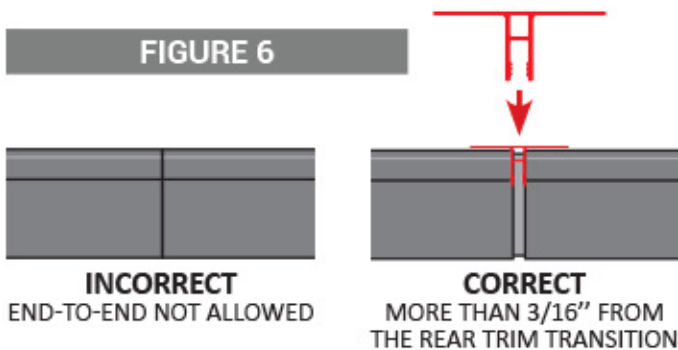
It is important to install all rear parts according to the following drawings:



- 1 J-Trim
- 2 J-Starter Trim
- 3 J-Double Starter Trim
- 4 Transition Trim – Vertical installation
- 5 H-Trim – Horizontal installation
- 6 External Corner Trim
- 7 Internal Corner Trim



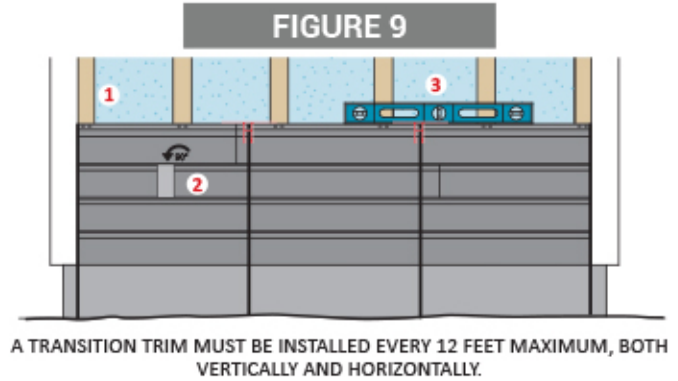
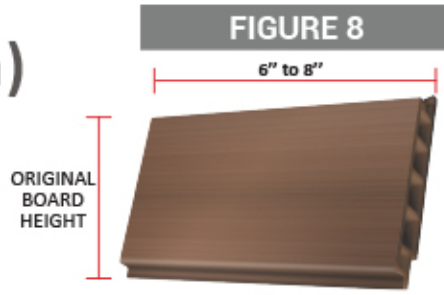
- Tighten the boards together lengthwise, with a maximum gap of 3/16" between the rear part of the vertical or horizontal transition trims. [FIGURE 6]
- Two screws centred on each furring strip.
- The upper alignment of boards can be adjusted up to a maximum of 1/16", taking care not to leave any visible screws. [FIGURE 7]
- If an adjustment of more than 1/16" is required, nail the bottom of the board.



17. Subsequent Courses (ctdn)

TIPS

- For improved hammering without damaging the tenons or tongues, use a siding block of standard height and a length of 6' to 8'. [FIGURES 8 AND 9]
- ❶ Verify course alignment with a level every 3rd or 4th row and adjust the board as needed. A variance of 1/16" in height between boards is considered normal (3). [FIGURES 7]
- Using a reference line 3/4 from the top of the wall, place screws every 8 feet so that you can take measurements that will allow you to periodically verify alignment and make slight adjustments as needed.
- ❷ Align the rear part of the trims, one after the other, and ensure that they are all at the same level.

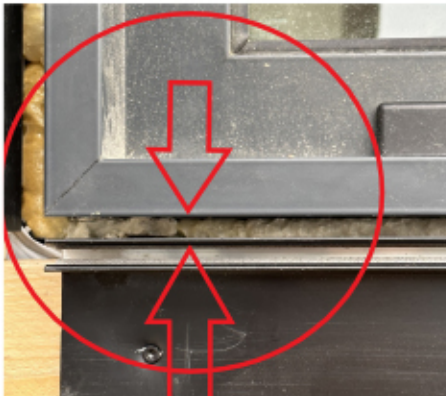


18. End Joints – NOT GUARANTEED

BOARD

- If you have to make a joint cut, make 22.5° cuts at the ends of both boards to be butted, apply touch-up stain as recommended. No sealant is required. [FIGURE 10]
- Cuts at 22.5 degrees must always be screwed onto a batten.

FIGURE 10

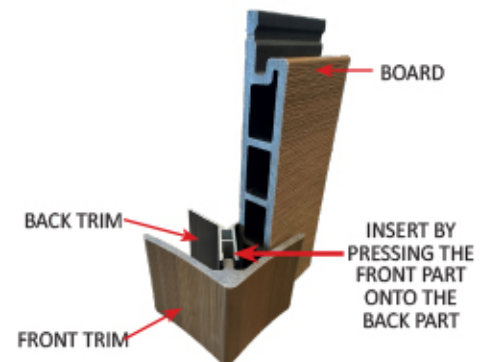


IMPORTANT

J TRIM: MINIMUM REQUIRED SPACE OF 3/16".



STARTER AND TRANSITION TRIMS FOR A FINISHING INSTALLATION IN BETWEEN ANOTHER TYPE OF CLADDING: MINIMUM SPACE OF 1/16".



ONCE ALL THE BACK PARTS AND CLADDING BOARDS ARE IN PLACE, YOU WILL ONLY NEED TO INSTALL THE FRONT SECTIONS OF THE COMPOSITE TRIMS TO THE BACK PART BY INSERTING THEM INTO EACH OTHER TO SECURELY FASTEN THEM TOGETHER.

19. Vertical Cladding Installation

ALL THE FIBERWOOD PROFILES CAN BE INSTALLED VERTICALLY:

- ROYAL , IMPERIAL, CLASSIC, BOARD & BATTEN

A vertical installation may result in some visible screws. For this reason, be sure to fit the interlocking boards firmly together.

ANNEX: Winter Installation with Spacer Tool Wall Cladding – Board & Batten Edition

Board & Batten:

- Please use the spacing tool provided with your order to maintain the minimum required space when temperatures drop below 5 degrees Celsius.
- Space the boards apart using the aluminum guide as shown in the following illustrations.
- Spacing of 1.3 MM.



Starting
Trim



Install the first board as indicated in the installation guide and fix it to the building using Fiberwood screws.

Fastening strip
side (nailing)

Side of the
board



Use the spacing guide provided by Fiberwood (2 guides included). Be aware that it has a longer edge that should be used on the side where the boards interlock with each other.

4 Installation of the guide on the trim.

5 Install the guides to level the next board.

6 Insert the next board and simply rest it against the guides.

Longer side of the guide



The tool is designed to create a space of approximately 1.3 mm during installations performed in cold weather (5 degrees Celsius or below) to allow for expansion during the summer season.

Once the new board is properly fixed, remove the guides and repeat the process to install the remaining boards.

ANNEX: Winter Installation with Spacer Tool Wall Cladding – Classic Edition

Classic Edition Board:

- Please use the spacing tool provided with your order to maintain the minimum required space when temperatures drop below 5 degrees Celsius.
- Space the boards apart using the aluminum guide as shown in the following illustrations.
- Spacing of 1.3 MM.



Starting Trim



Install the first board as indicated in the installation guide and fix it to the building.

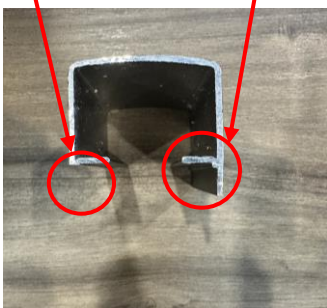


Install the second board as indicated in the installation guide.

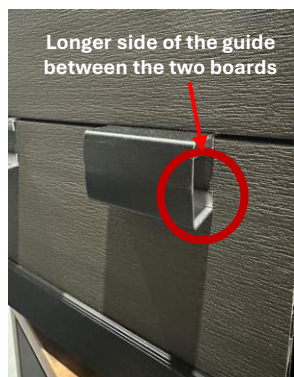
DO NOT FIX THE BOARD TO THE BUILDING

4 Use the spacing guide provided by Fiberwood (2 guides included). Be sure to use the longer edge to insert between the two boards.

Side resting on the board Side between the two boards



5 Install the guide between the board already fixed to the building and the second board that is simply placed down.
DO NOT FIX IT to the building now.



6 Install the guides to level the next board.
Minimum of 2 guides on a 12-foot board.



The tool is designed to create a space of approximately 1.3 mm during installations in cold weather (5 degrees Celsius or less) to allow for expansion during the summer season.

Fix the next board using Fiberwood screws. Once the new board is properly fixed, remove the guides and repeat the process to install the remaining boards.

20. Care, Maintenance and Safety Instructions

FOR COMPOSITE CO-EXTRUSION CAPPED CLADDING

VENTILATION

To maintain optimal drainage plane performance, it is important to periodically inspect all horizontal and vertical gaps for debris. Additionally, any issues caused by ice or windblown snow should be addressed promptly.

CLEAN YOUR SIDING

To keep your cladding in good condition, it is recommended to clean it as needed, with a recommended frequency of twice per year. A soft bristle brush or blower can often be more effective than a hose for removing organic materials. For general cleaning, use soap and water or mild household cleaners.

DIRT AND GRIME

To remove accumulated dirt from your cladding, you can use a blower to dislodge it. If the dirt is stubborn, you can use soap and water along with a soft bristle brush to scrub it away.

SPECIAL CONSIDERATIONS

OIL AND GREASE STAINS

As a preventive measure against potential staining, it is important to always avoid contact with grease and oil. If grease or oil spills occur, it is necessary to clean them as soon as possible and at the latest within seven days. If soapy water is not effective in removing grease and oil stains, recommended all-purpose cleaners, including for composite, can be used to cut through the grease and dirt without discoloration.

CONSTRUCTION CHALK

Most construction chinks are designed to withstand cleaning. To avoid any difficulties, it is recommended to test chalk for ease of removal before using it. If chalk lines or stains persist even after attempting to remove them, it is best to contact the chalk manufacturer for specific cleaning instructions.

MASONRY CONSTRUCTION

To prevent any damage to the cladding during and after construction, it is crucial to protect it from masonry, mortar, and grout dust. These materials have electrostatic properties that can result in a white or hazy residue deposit on the cladding surface. Efflorescence, a phenomenon where minerals are leached out of stone, grout, and masonry materials, can also leave mineral deposits behind after water evaporates. To minimize these effects during masonry construction, it is important to keep materials dry and allow masonry and cement to cure properly. One way to prevent this is by completely and securely covering the cladding surface area during the construction phase or installing the cladding after the masonry construction phase.

In certain arid and mountainous environments, minerals from the soil can also cause a hazy effect when deposited on the cladding surface. When mineral particulate is deposited through windblown minerals or leaching, more frequent periodic cleaning may be necessary to maintain the visual attractiveness of the cladding.

MOLD AND MILDEW

Mold and mildew growth occurs due to common environmental conditions. Mold spores are tiny and lightweight, easily traveling through the air and being deposited on surfaces where, under favorable conditions, they establish colonies on decaying organic materials such as windblown pollen and landscaping debris.

Climate conditions vary by region, and in areas where ideal mold colonization conditions exist, such as high pollen counts and humidity or where mold and mildew have already colonized other inorganic surfaces, more frequent cleaning may be necessary. To control or prevent mold growth, it is recommended to proactively remove organic materials that provide a food source for mold development. You can use a garden hose and warm water with a soft-bristled brush to remove both organic matter and mold.

If mold is present, there are many commercial products available for cleaning. Make sure the product can be used on composite, then follow the manufacturer's instructions and use cleaners within their indicated shelf life. It is not recommended to mix different cleaning products together, as harmful chemical reactions could occur. Additionally, it is important to never mix bleach and acids.



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