

# RIALUX

ALUMINUM SIDING



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## IMPORTANT NOTE

# Sealing barrier

Rialux siding is an outer siding and not a sealing barrier. It is designed to let the material, on which it is laid on, breathe. However, it is a rain screen that reduces the amount of water that can reach the underlying sealing barrier.

Water resistant barriers are usually made up of a group of components including an exterior siding such as aluminum siding, sealing strips that cover openings and water penetration, a waterproof barrier and another type of intermediate siding.

An effective exterior cladding system first lets water flow to the surface, controls the flow of moisture by capillarity and diffusion and minimizes its absorption into the wall structure.

The degree of waterproofness required is determined by the applicable building code, structure and climate. Remember that using additional measures can provide better protection against water infiltration than simply complying with the minimum building code requirements.



# Box reception

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## Box handling

Two people are required to lift the box, one at each end, and the box must be held straight. To avoid damaging the product, do not lift the box by the middle.



## Content verification

Please inspect the contents of the boxes when receiving the material. Any material installed will be considered acceptance of the product.

## Wall preparation

The waterproofing barrier must be placed on the house before installation. If it is not already in place, an exterior cladding system will be installed afterwards.

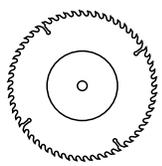
# New construction

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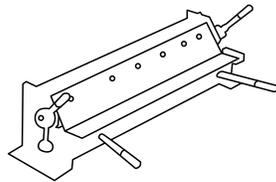
**The aluminum siding must be installed on a rigid intermediate coating, OSB type or Tentest (black insulating fiberboard) with sealing barrier and installation of furring strips.** Consult the local building code for specific requirements in this regard. The exterior siding must never be placed directly on the pillars of the frame, without intermediate cladding or without a sealing barrier and furring strips.

# Necessary Tools

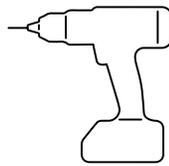
To install the Rialux panels you will need the following tools:



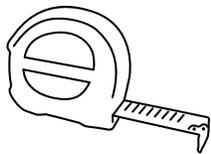
Miter saw with finishing blade



Folding machine (optional)



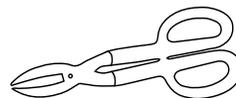
Screwdriver & Drill



Tape Measure



Level



Sheet metal chisel

## INSTALLATION DIRECTION

- Horizontal
- Vertical
- Diagonal

## INSTALLATION SURFACES

- On furring strips (16 inches center to center)
- On metal slats (16 inches center to center)

**Example of arrangement**

\*FOR INFORMATION PURPOSES ONLY



COLOR SHADES

# 4 to 6 shades

Rialux products have four to six distinct shades for each color offered. It is therefore very important to mix the boxes to ensure an even distribution of the different shades of colors on your installation surface.

Please remove the color protective film AFTER the panel is installed and be sure to validate that the visual result is satisfactory for each 3 to 4 rows installed.



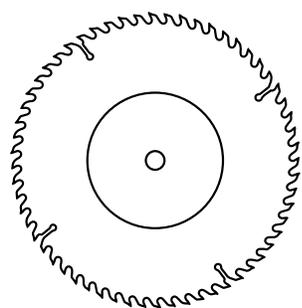
# Cutting

To cut the exterior siding, soffits and aluminum accessories, use the following tools:

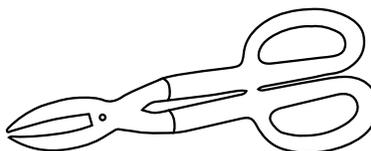


**Caution:**

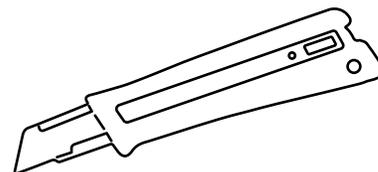
Wear goggles throughout this operation



**Circular saw with a thin-teeth blade or inverted plywood blade**



**Shears**



**Knife with retractable blade**

Groove the outer face of the aluminum, making sure that the blade of the knife is sharpened. Carefully, bend the aluminum in both directions until it splits along the groove.

# Tracing a Chalk line



To properly install the siding, it is important to draw a straight reference line to position the starter strip.

- From the lowest corner of the walls to be covered, measure upwards to establish the point that will correspond to the top of the starter strip.
- Using a tape measure, draw a cord line from the starting point to the end of the wall to be covered. (In some cases, it may also be possible to measure downwards from the overhang (freeze) to establish this line.)

# Starter molding



Draw a line using a level or chalk marker. Attach the starter molding, making sure it is level. Use the holes provided for this purpose.

**Starter molding**





# Screws

Screw every 16 inches into the holes provided for this purpose. It is recommended to use the stainless steel screws available at Rialux that are 1.25 inches long. The screws must be screwed **into the centre of the openings** provided for this purpose and in a moderate manner. **It is important not to exert pressure upwards or downwards.**

If necessary, it is possible to drill additional openings on the aluminum panel with the appropriate tool so that the openings align with the screwing surface.



Screw Type: Inox #8  
 Length: 1.25 inches  
 Head: #8 - Star

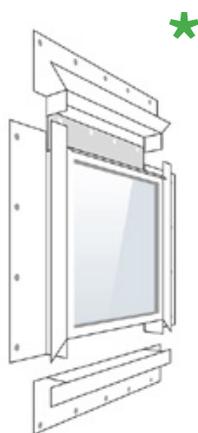
# Panel Expansion

Depending on the temperature during installation, you must provide spacing for the expansion and contraction of the panels. It is therefore important to provide a spacing of about 1/8 inches to 1/4 inches. Always plan to lock the panel joints on a wooden slat in the wall, so they do not move in the joint. Never attach this furring strip to the wall because it must keep its mobility to allow for the expansion at the ends.



# Moldings

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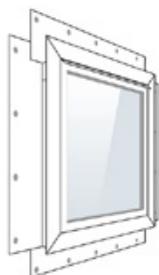


## Drip molding

Drip molding should be installed above the frame of windows and doors.

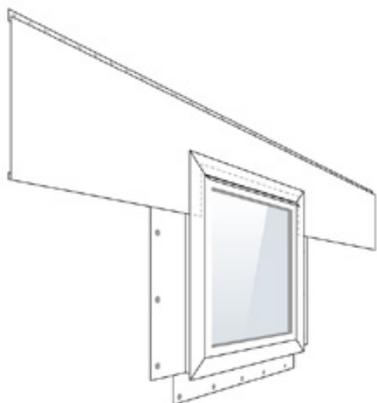
## J-Molding

Install the J-molding, on all three sides of the window (left, right and below). Next, install a drip molding above the window frame and install a J-Molding on the top drip molding.



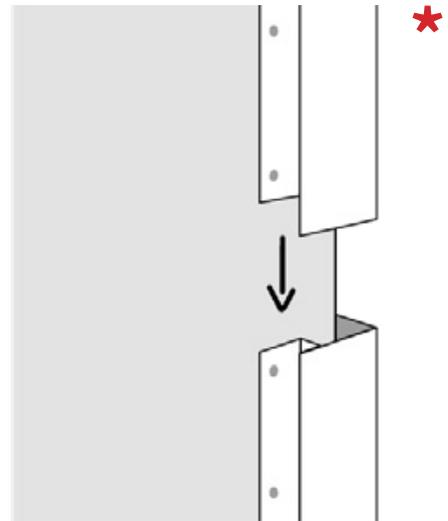
## Installation of moldings around windows and doors

- Install J-moldings around windows, doors and all openings as shown below, nailing them at intervals of 8 to 12 inches. Start at the bottom, then on either side of the opening and finish at the top.\*
- Be sure to make drip tabs at the ends of the top moldings.



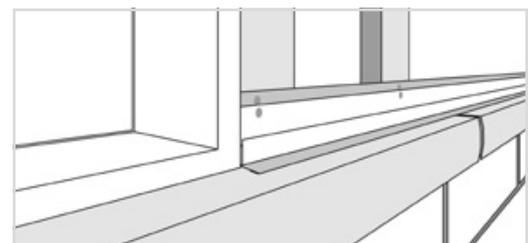
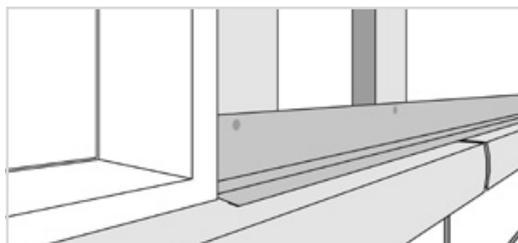
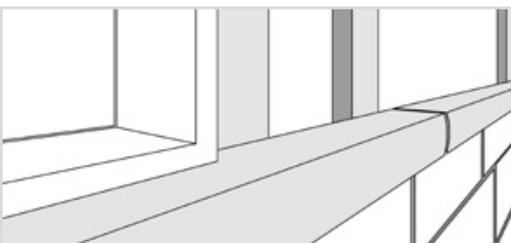
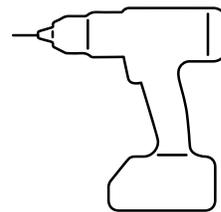
### Exterior and interior corners

- Make sure the wall studs are straight. If necessary, draw a chalk line.
- Secure the stud by placing the fasteners in the center of the slots at intervals of 8 to 12 inches.
- Leave a 3/8 inch space at the bottom if the stud is to cover concrete, deck rooms, etc.
- If you need to use more than one length of corner piece, remove 1 inch from the nail strip and the receiver pouch of the top piece. Overlap the stud by 3/4 inch.\*
- You can make the inner corners using two J-moldings placed back to back or a J-molding placed against the cladding of the adjacent wall.



### Installation of Drip molding and J-Molding on concrete window sill

1. Install drip molding on concrete window sill
2. Perforate a J-molding
3. Install J-molding in drip molding



# Installation of horizontal panels

- Install the first panel by pushing the bottom of the panel into the starting strip. Adjust to leave a space of about 1/4 inch in the corner. Attach the panel to the center of the nail slots, leaving 1/32 inch between the fastener and the panel to allow the panel to expand and contract. Place fasteners at intervals of up to 16 inches.
- Continue to install the first row by overlapping the panels by 3/4 inches. The end that is cut in the construction site must always be placed in the corner molding or the J-molding.
- Install the other rows, making sure to shift the joints randomly so that they are ideally at least 24 inches apart to be less visible. Do not make a joint immediately below or above a window or door opening. Joints should never be aligned without being separated by at least a few rows.





**NOTE:** Make sure to overlap joints away from entrances and high traffic areas and always overlap joints from farthest to nearest. For example, always start from the back of the house to the front to reduce the appearance of the joints.

Leave about 1/4 inch at all ends of the panels to allow them to expand. For example, when measuring a panel to be placed between two windows, subtract 1/2 inch from the exact distance between the sides of the two windows.

- When measuring the dimensions to install a panel above a window or door, add 3/8 inch so that the locking tab can be well engaged in the panel below.



Each panel of the Timberland and Tiago collection has a unique attachment system for additional stability.

# Installation on gables

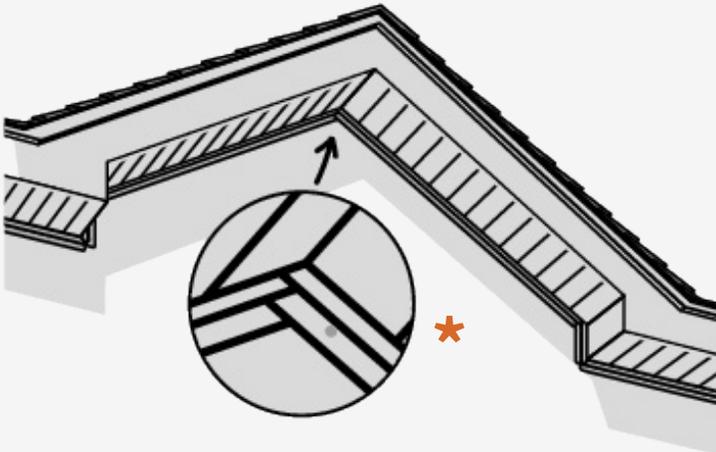
Before installing exterior siding on a gable, the J-trim must be installed to accommodate the siding at the ends of the gable.\*

- When meeting left and right sections at the top of the gable, let one of the sections end up in the top while the other section overlaps it.
- Make a bevel cut on the front wing of this piece for a better appearance.
- Fix the J-molding at intervals of 8 to 12 inches

To install the cladding panels, make a template that reproduces the angle of the gable:

- Insert a short piece of cladding into the starting row of the gable (i.e., the last row before the start of the gable).
- Hold a second piece of cladding against the J-molding at the inclined end of the gable. Mark the angle with a pencil stroke on the short piece.\*
- Remove the short piece and cut it along the pencil line to make it a template from the angle of the gable. Repeat the procedure on the other side of the gable. Check the cut template after a few rows.
- Attach the last panel to the top of the gable using a finishing nail of the color of the siding.\*





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