

# Maibec Acenta® Interior Installation Guide

Carefully read this entire guide to understand all of the necessary steps and requirements for proper installation.

**DOWNLOAD THE LATEST VERSION OF THIS INSTALLATION GUIDE AT MAIBEC.COM.** For assistance, call Maibec's Technical Service at 1 800 363-1930, Monday to Friday from 8:30 a.m. to 4:30 p.m. (Eastern Time).

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*Drawings in this document are not to scale and are used solely to illustrate best practices. All dimensions in this document are given in inches.*

## THINGS TO KNOW BEFORE YOU START

For an **optimal and attractive** result, always follow these simple tips for installing the stones:

- For best results, it is strongly recommended that you use stones from several crates at the same time;
- Respect the ratio of 2 x 20" stones to 1 x 8" and 1 x 12" to ensure a varied and natural look;
- Alternate smooth stones and stones with simulated joints;
- Aim to stagger the joints of subsequent courses by 4";
- Alternate the direction of stones with simulated joints to avoid creating repeating patterns;
- Install cut stones near the middle of the wall instead of at the ends to hide cut edges as much as possible;
- Install stones 1 or 2 courses at a time, respecting the above tips;
- During installation, frequently step back about 20 feet (6 meters) from the wall to check that you're happy with the layout of the stones.

## 1. TOOLS REQUIRED



**TIP:** Use a 3" bit tip holder to avoid damaging the stone with the drill chuck or having to turn the drill to reach the screw.



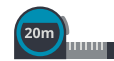
**DRILL**



**MITER SAW**  
(with diamond blade)



**ANGLE GRINDER**  
(with diamond blade and metal cutting wheel)



**MEASURING TAPE**



**LEVEL**



**SNIP SCISSORS**

## 2. MATERIALS REQUIRED

- Crates of Maibec Acenta fastened stone;
- Maibec Acenta starter strip;
- Maibec Acenta sills (for transitions);
- Maibec Acenta receptacle wall plates;
- Maibec Acenta light plates;
- Bags of 125 1 1/2" wood screws (included in stone crates);
- Nailing base (O.S.B. or plywood).

## 3. CALCULATING QUANTITIES

- Calculate the area of the walls being covered in square feet, minus the area of any openings such as doors or windows.
- Add 5-10% loss.

## 4. PREPARING THE WALL

**Fastened stone should only be installed on walls that meet the following conditions:**

- Maximum 16" stud built wall.
- Nailing base: OSB (oriented strand board) or plywood (see table on section 6 for required thickness of O.S.B.).



**Verify the structural integrity of the wall, making certain that it is solid, straight and ready for the stone to be installed. Maibec cannot be held responsible for any damage to the siding caused by the movement of a structure.**

**Maibec Acenta stone has an average weight of 15 lb/ft<sup>2</sup>. It is important to consolidate the structure accordingly.**

Stone dimensions (inch)	8" Long (6" H)	12" Long (6" H)	20" Long (6" H)	Sill 20" Long
Unit weight (lb)	5	7,5	12,5	16



**Do not install the stone at a height of more than 10 meters (33 feet). Any higher installation must be approved by an engineer.**

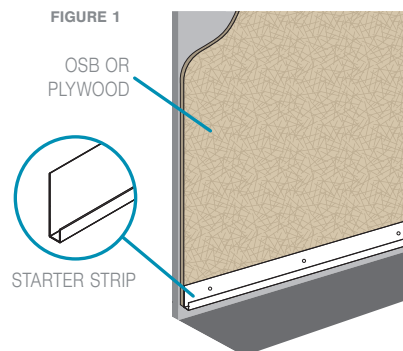
## 5. STARTER STRIP

Use the Maibec starter strip for fastened stone for the starter course. Install the starter strip directly on the wall using a precision level or other level. Fasten horizontally with one (1) screw every 16". Be sure to always fasten the first and last holes. Use the same screws as for the stone.



**TIP :** If possible, adjust the height of the starter strip so that you won't have to cut the last course of stones wall or end up with a piece that's less than 2" high.

FIGURE 1



## 6. SCREWS

**To ensure product performance, the following requirements must be respected:**

TYPE OF WALL	CHOICE OF SCREW		
<ul style="list-style-type: none"> <li>• Standard framed wall</li> <li>• 1/2" plywood</li> </ul>	<b>1 1/2" (38 mm)</b> <ul style="list-style-type: none"> <li>• Maibec self-tapping anticorrosive wood screw (stainless steel) with hex washer head</li> </ul>	<ul style="list-style-type: none"> <li>• #8 screw (0.190" outside diameter)</li> <li>• Fully threaded</li> </ul>	Included in crates of stone!
<ul style="list-style-type: none"> <li>• Standard framed wall</li> <li>• 7/16" OSB</li> </ul>	<b>1 1/2" (38 mm)</b> <ul style="list-style-type: none"> <li>• Maibec self-tapping anticorrosive wood screw (stainless steel) with hex washer head</li> </ul>	<ul style="list-style-type: none"> <li>• #8 screw (0.190" outside diameter)</li> <li>• Fully threaded</li> </ul>	Included in crates of stone!
<ul style="list-style-type: none"> <li>• Wall (metal, wood, concrete block or other)</li> <li>• Metal furring</li> </ul>	<b>1 1/2" (38 mm)</b> <ul style="list-style-type: none"> <li>• Maibec self-drilling and self-tapping anticorrosive metal screws (stainless steel) with hex washer head</li> </ul>	<ul style="list-style-type: none"> <li>• #8 screw (0.190" outside diameter)</li> <li>• Fully threaded</li> </ul>	Included in crates of stone!



**NOTE:** Before installing Maibec Acenta fastened stone veneer, ensure that the plywood or O.S.B. is in good (sound) or new condition and properly attached to the framing with appropriate screws to building code standards.

## 7. INSTALLING THE STONE

Each crate of Maibec Acenta fastened stone veneer:

- Covers 30 square feet;
- 3 sizes of stones with built-in brackets: 6" x 8", 6" x 12" and 6" x 20" (ratio of 2 x 20" stones to 1 x 8" and 1 x 12" stones);
- Approximately 32 different surface patterns for a varied end result;
- Approximately 18 identified cornerstones with textured edges for a cleaner finish;
- 1 bag of 125 1 1/2" wood screws.



### IMPORTANT:

Always fasten all stone brackets.

### 7.1 STARTER COURSE

For the starter course, you have two options:

#### Visible strip:

Slide the bottom brackets into the well of the starter strip. (Figure 3)

#### Hidden strip:

Cut the bottoms of brackets protruding past the bottom of the stone. IMPORTANT: Make sure brackets are cut flush with the stone. Slide the bottom brackets into the well of the starter strip. The stone will therefore be in front of the starter strip to hide it. (Figure 4)

FIGURE 2

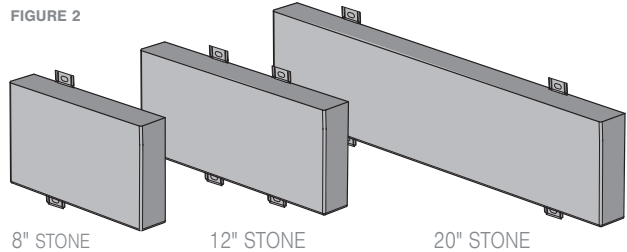


FIGURE 3

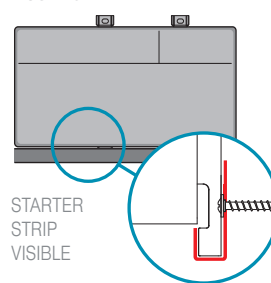
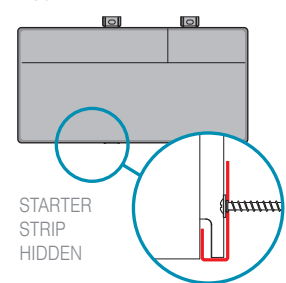


FIGURE 4



### TIPS:

- If the brackets of two stones overlap, flip the stone. If this doesn't work, use a different stone.
- Make sure stones are level for the first three courses and then at every 3 or 4 courses for the rest of the wall.

FIGURE 5

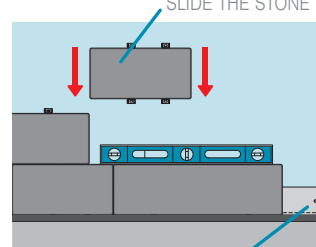
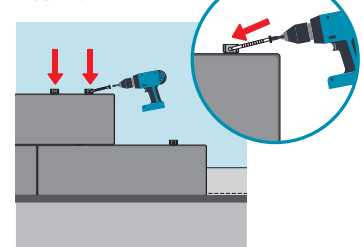


FIGURE 6



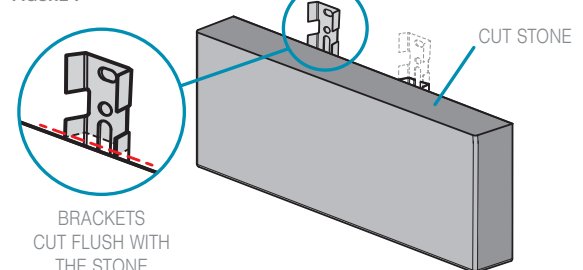
STARTER STRIP

FASTEN ALL VISIBLE BRACKETS

### 7.2 CUTTING THE STONES

- Use a miter saw with a diamond blade or hand grinder to cut stones.
- When cutting a 12" or 20" stone along its length, it must have at least 2 brackets if the cut section is longer than 8".
- Put the nice surface up to cut the stones, and be sure to stabilize them before cutting.
- Cut the thinner side of the stone to be able to camouflage the cut with the adjacent stone.

FIGURE 7



### TIP:

To stabilize a stone on the wall (for example an 8" stone or a 12" or 20" stone cut with only one bracket left), use a 1/2" thick rubber bumper that you will screw on the wall or apply a small quantity of adhesive\* to create a support behind the stone.

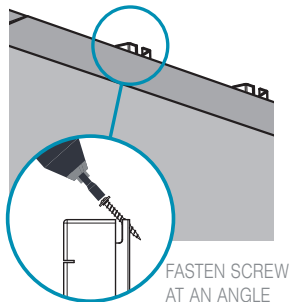
\* We recommend using construction adhesive such as LePage PL® PREMIUM® MAX Adhesive.

### 7.3 FINAL COURSE

When you get to the final course, you may have to cut a stone along its width. Otherwise, you will have to cut the top brackets of the stone. (figures 7 et 8).

Various scenarios can occur with the final course:

MIDDLE OF WALL  
FIGURE 8

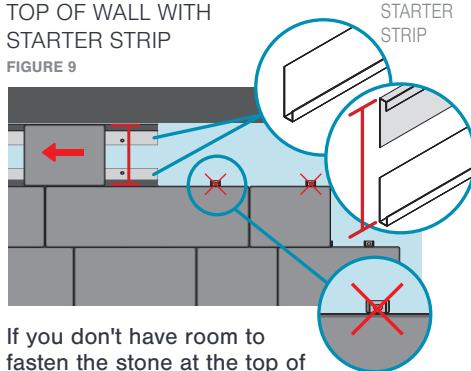


If the stone ends in the middle of the wall, you will need to cut the brackets at the level of the stone (figure 7).

After cutting the stone, you can install it by slightly tilting the screwdriver to fasten the brackets.

Install a finishing moulding.

TOP OF WALL WITH  
STARTER STRIP  
FIGURE 9

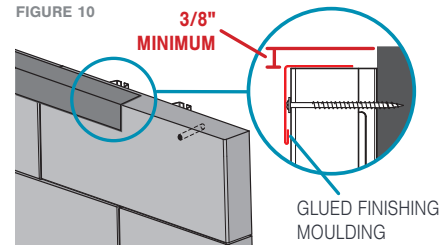


If you don't have room to fasten the stone at the top of the wall, cut the top brackets flush with the stone in the second-last course.

Install a J-trim along this course and another J-trim upside down at the top of the wall.

Cut the stone to the required height, and the bottom bracket flush with the stone. Slide the stone for the last course into place.

TOP OF WALL + DRILLED  
COURSE WITH FINISHING TRIM  
FIGURE 10



If there's no space to screw or slide the stone (figures 8-9), you'll need to cut the stone lengthwise and pre-drill it.

Measure the remaining space between the last installed and the top of the wall. Cut the stone to the right height. **Don't forget a minimum spacing of 3/8" at the top of the wall.**

Pre-drill the stone opposite the brackets. Install the stone and screw in place. **Do not overtighten, as you may risk breaking the stone.** Hide the screws with a finishing moulding.

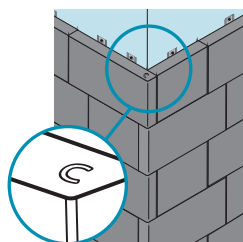
### 7.4 OUTSIDE CORNERS

Use the corner stones identified with a C on the top or bottom edge.

Alternate stones by criss-crossing them to create the corner.

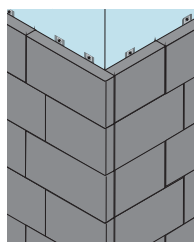
Make the corner of both sides by alternating as you work your way up the wall.

FIGURE 11



CORNER STONE

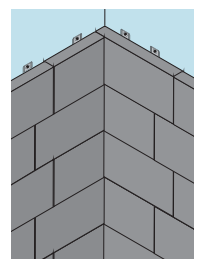
FIGURE 12\*



\* ONLY ANNA MODEL

### 7.5 INSIDE CORNERS

FIGURE 13



Just like with an outside corner, alternate stones by criss-crossing them to create the corner.

However, because the ends will be hidden, you don't need to use corner stones.



**TIPS:** For an optimal aesthetic result, try to have your 2 stones forming a corner in the most similar colours possible.

### 7.6 WALL END AND CORNER (WITH STONES ON ONE SIDE ONLY)

For a perfect finish, install a J-trim vertically on the wall BEFORE installing the stone, to fill the gap behind the stone left by the brackets.

Cut all J-trims at 45 degrees, then install them like a frame (figure 15).

Use stones marked with a C on the top or bottom edge.

If you need to cut a stone vertically, be sure to position it across the other stones and not at the end of the wall (see instructions in section 7.2).

FIGURE 14  
WALL END OR  
CORNER

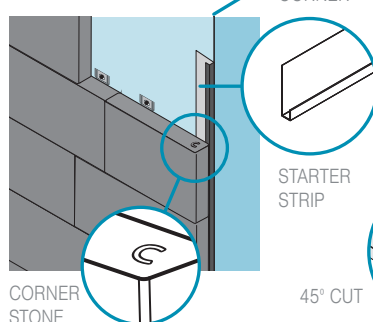
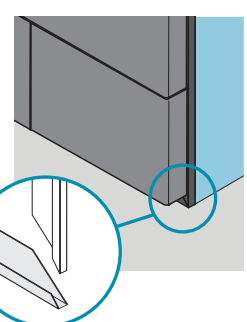


FIGURE 15



CORNER  
STONE

45° CUT

## 8. ACCESSORIES

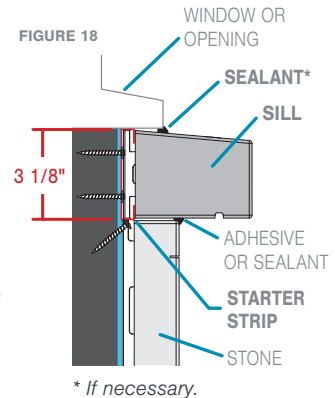
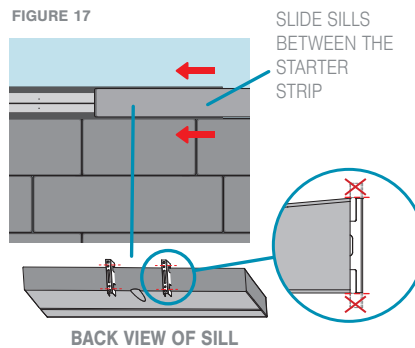
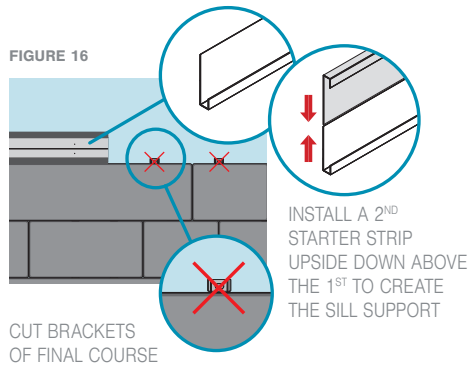
### 8.1 SILLS

#### WINDOW SILLS UNDER A WINDOW OR OTHER OPENING

- Keep a minimum 3 1/8" space to install the sill. Measure and cut the last course as needed to respect this 3 1/8" space. (Figure 16)
- Press a starter strip onto the top of the stone. Secure the starter trim in the same way as for the starter course. Maintaining the 3 1/8" space, install a second starter trim upside down, pressing the 2 edges together. This will create the support for your sills. (Figure 18)

- Cut the top and bottom brackets flush with the sill. (Figure 17)
- Slide the sills into the support.
- Apply adhesive\* between the sill and the stone.

\* We recommend using construction adhesive such as LePage PL® PREMIUM® MAX Adhesive.



#### TRANSITIONING TO OTHER SIDING

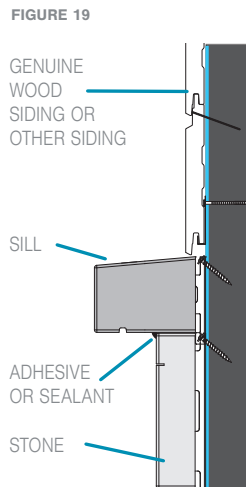
Determine the height at which you want to transition from stone to another type of siding. Install stones up to 3 1/8" from this height to leave room for the sill. If you need to cut stones for the final course, fasten them at an angle.

Apply adhesive\* on both sides and under the sill; do not go beyond the first back third of the sill to ensure the adhesive comes into contact with the stone of the final course.

Next, insert the sill and fasten at an angle. Put shims under the sill to keep it straight while the adhesive dries.

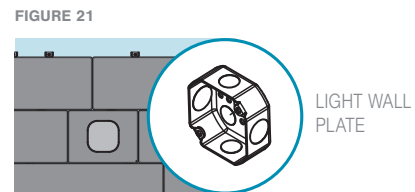
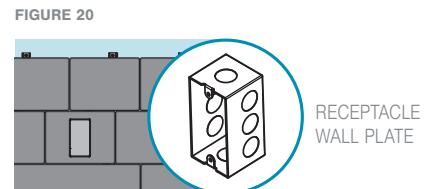
Install a finishing moulding over the sill to install the other siding.

\* We recommend using construction adhesive such as LePage PL® PREMIUM® MAX Adhesive.



### 8.2 PLATES

Plates for outlets and lights are installed the same as stones.



## 9. FINISHING

Apply sealant where needed (Figure 18). Your retailer can help you find the right colour to match your stone.

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