FEROOF ®
Stone Chip Coated Steel Roof Tiles

Installation Manual

Wall Cladding

MATTONE

FEROOF CO., LTD.

[General Instruction]
- This document is for installation of the Matone siding materials and its accessories.
- The main and sub materials used for the installation should only be from Feroof CO,. LTD or ones that qualifies ASTM requirements.

[Applications]
- Exterior
- Colum Cover
- Otherwise, follow blueprints

[Assembly & Installation]
A.   Summary
   a.   Every accessories should follow blueprint's material size specifications.
   b.   Each accessories should follow the installation manual unless noted otherwise.
B.   Assembly
   a.   To avoid warp or misalign, accessories specifically made for Mattone should be used.

[Important Note for Installation]
A.   Preparation
   b.   Make sure actual measurement to be same with the blueprint.
   c.   Installation should be precisely done based on blueprint.
   d.   Vertical and horizontal lines should be precise to avoid misalignment.
   e.   Apply rust resisting paint after installation of supporting material.

B.   Important
   b.   Each flashings should be requested for production in advance or fabricated in the field using standard accessories.
   c.   Staple or nail should not be used.

[Base]

A. Wooden base

    A. Plywood with minimum thickness 7mm or Oriented Strand Board should be used. Joints should not have any gap. Underlayment should be applied.

B. Concrete base

    A. Concrete wall should have either plywood or rectangular structure surrounding it to be ready for siding materials to be applied

C. Brick, Tile Base

    A. Plywood should be applied for those surfaces
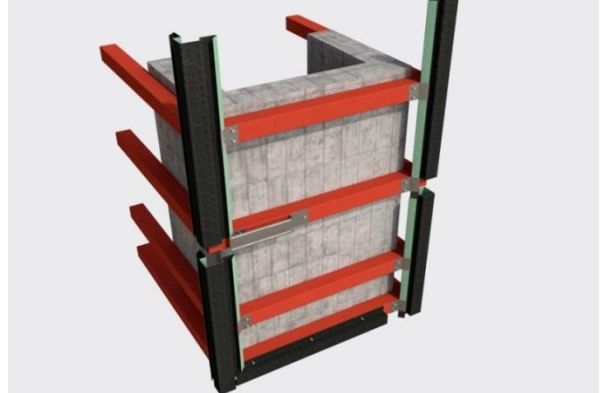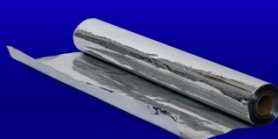

[Concrete bricks, Corner tiles installation]

[Heat insulation]

- For maximum outcome, heat insulation should be applied on the outside.
- Polynum should be the heat insulation material and any air gap should be filled up with insulation before finishing up the preparation process.
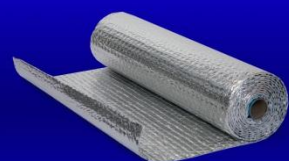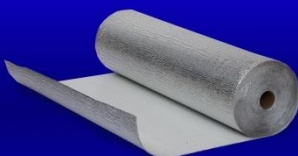
Tools for Installation

|	Item	Specification (for example)
1	**Nail gun, Compressor**	
2	**T ruler, measuring tape**	
3	**Eye protection, Gloves, hard hat**	
4	**Grinder, v-cutter**	
5	**Metal shears, flat head vice grip**	

FEROOF Wall Cladding Panels
Specifications

MATTONE

Total Length: 1,340mm /2,000mm
Exposed Width: 155mm /384mm
Bent Height: 15mm
Coverage: 4.40/3.00
Product Thickness: 2mm

1,340mm / 2,000mm
170mm
15mm
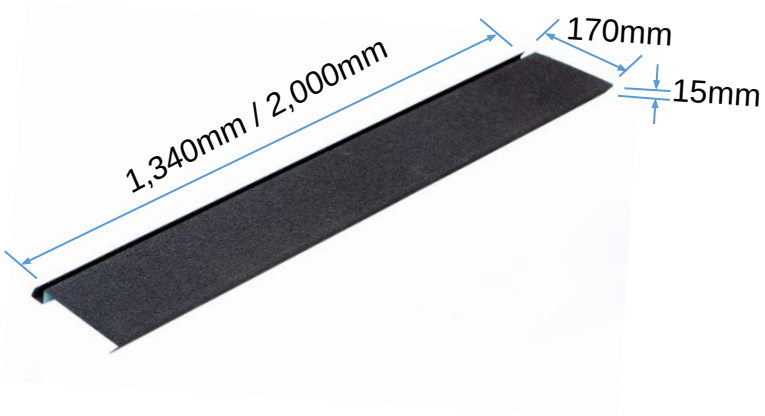
Exposed with specification (3 different types)

115mm   115mm   115mm

170mm   170mm

400mm
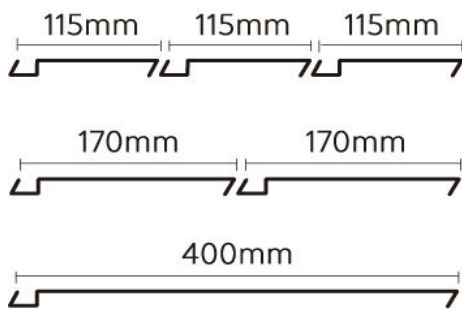
Main material (Mattone/ Siding)
- Should be from Feroof
- Should be stone chip coated Galvanized steel.
- Size is customizable

Color chart
*The actual color may vary slightly.

Color Chart – Single colors

| Olive | Brick 1T | Teak | Red | Silver Grey | Brown Bark | Terracotta | Charcoal | Sea blue |

Starter (Vertical)

30mm
40mm
25mm
20mm
1340mm

Starter (Horizontal)

18mm
40mm
30mm
25mm
20mm
1340mm

Chair Shape Channel –

Top finishing for window/door frame

15mm
40mm
35mm
50mm
1340mm
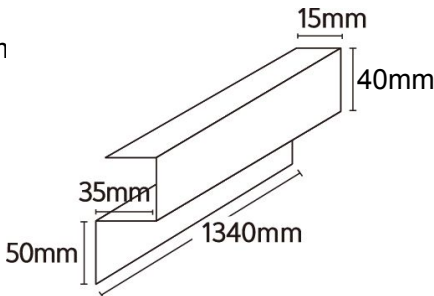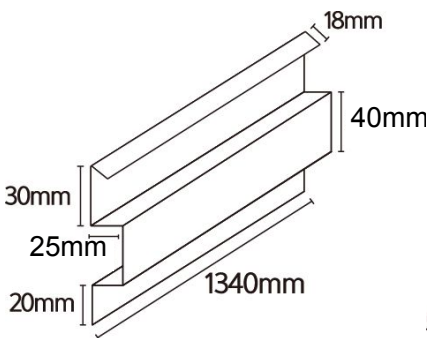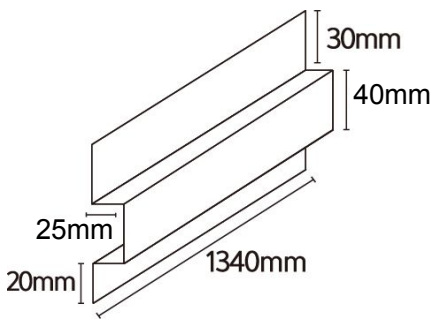
J – bar (Sides and bottom for Window/door frame)

40mm
45mm
15mm
1340mm
70mm

In-corner 1 (Professional)

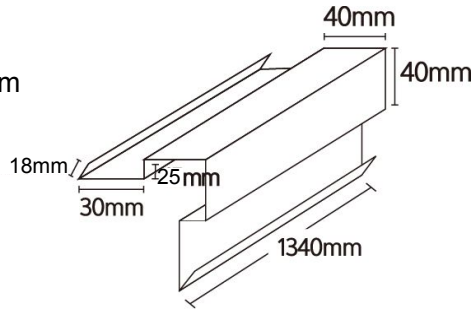18mm
40mm
30mm
25mm
1340mm

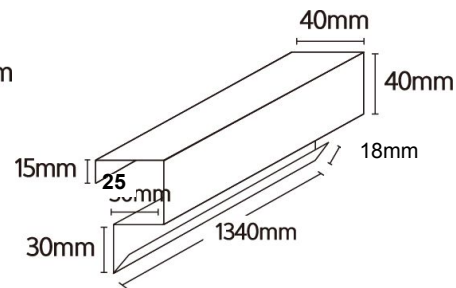**In-Corner 2 (Simplified)**

15mm
40mm
1340mm
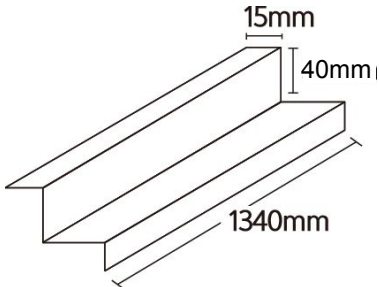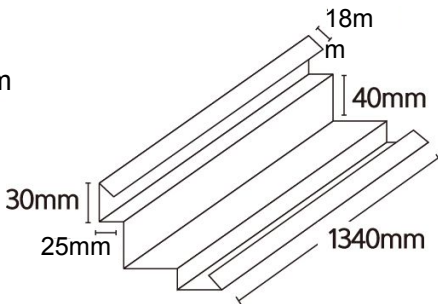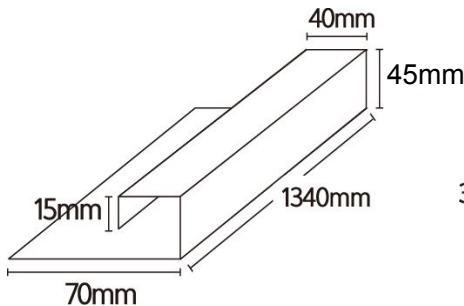
L bar-around window/door
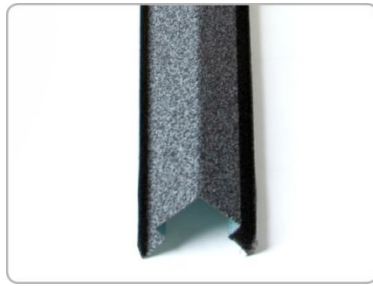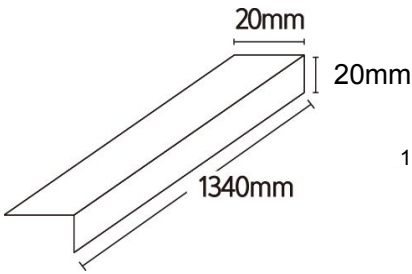
Out-Corner 1 (Professional)

Out-Corner 2 (Simplified)
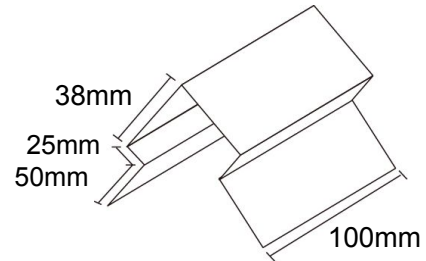
20mm
20mm
1340mm

40mm
40mm
18mm
25mm
30mm
1340mm

40mm
40mm
15mm
25
30mm
18mm
1340mm
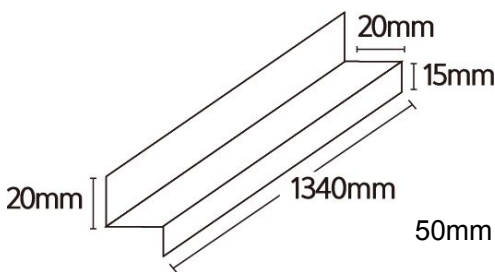
Exposed Joint 1

Exposed Joint 2

Out-Corner Joint

20mm
15mm
20mm
1340mm

15mm
40mm
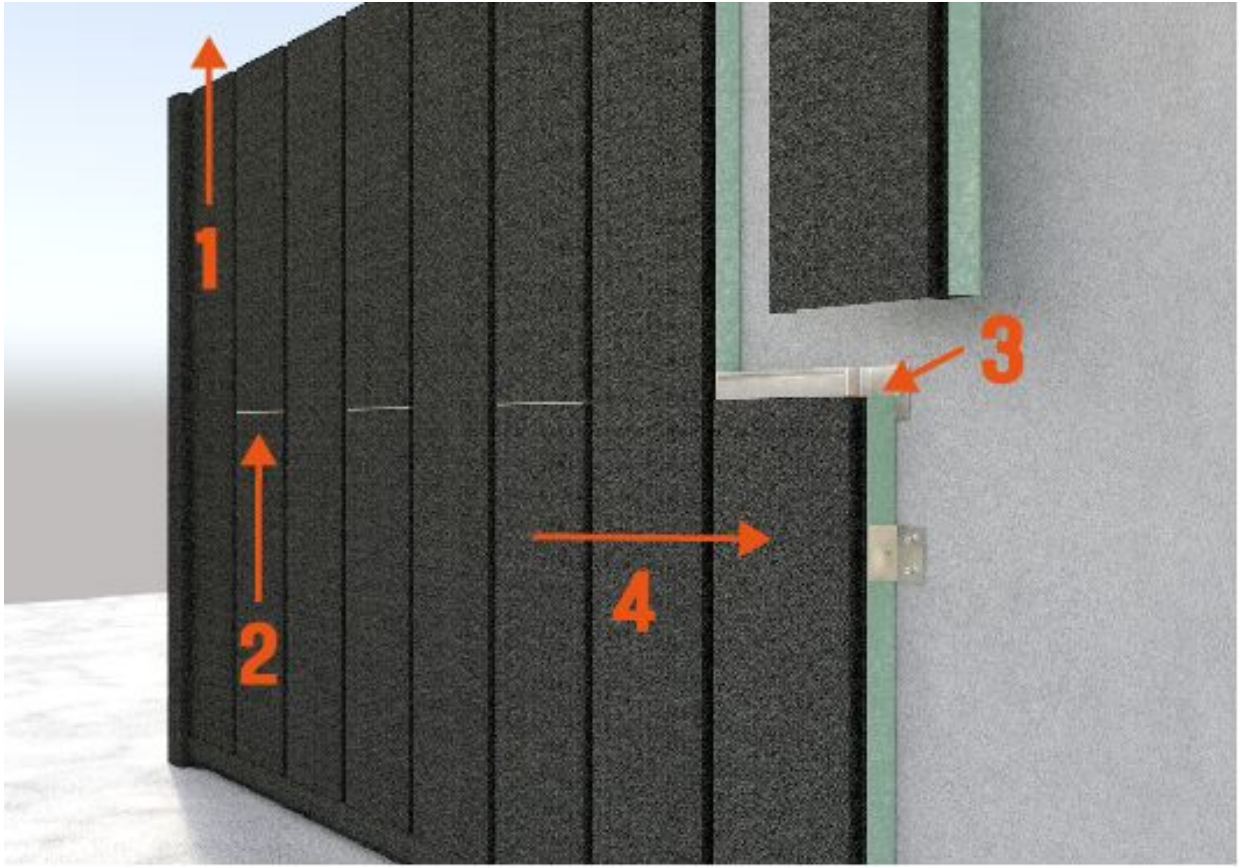35mm
50mm
1340mm

38mm
25mm
50mm
100mm
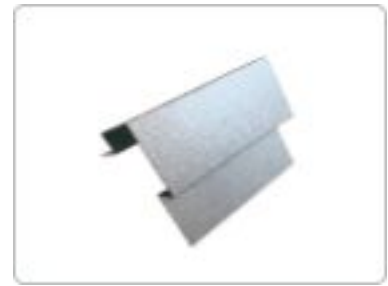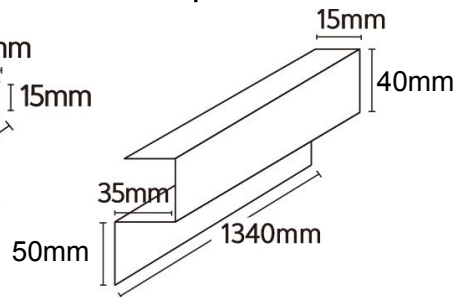
Hidden Joint

Side Clip

- There are two standard lengths: 1,340 / 2,000mm
- Accessories for the installation should be purchased from Feroof or at least should be rust preventative materials.
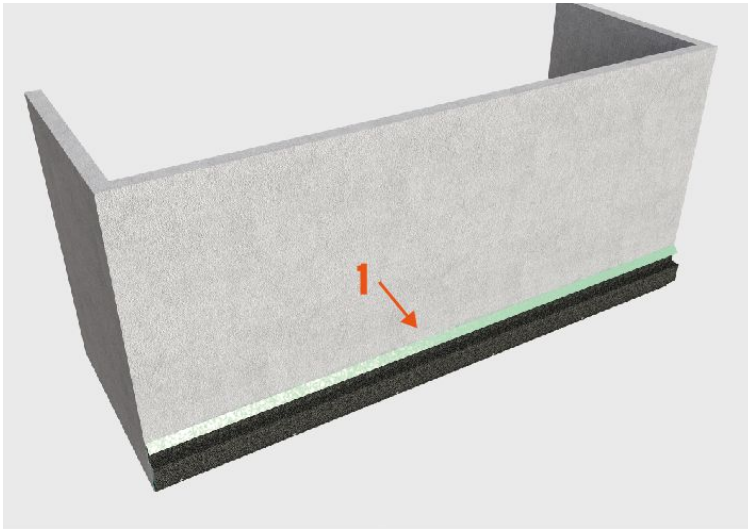- SUB structure or fastener brackets should be treated with rust preventatives.

1- Install long Mattone panel from the left side.
2- Install short Mattone panel using #3
3- Continue the installation process to the right.
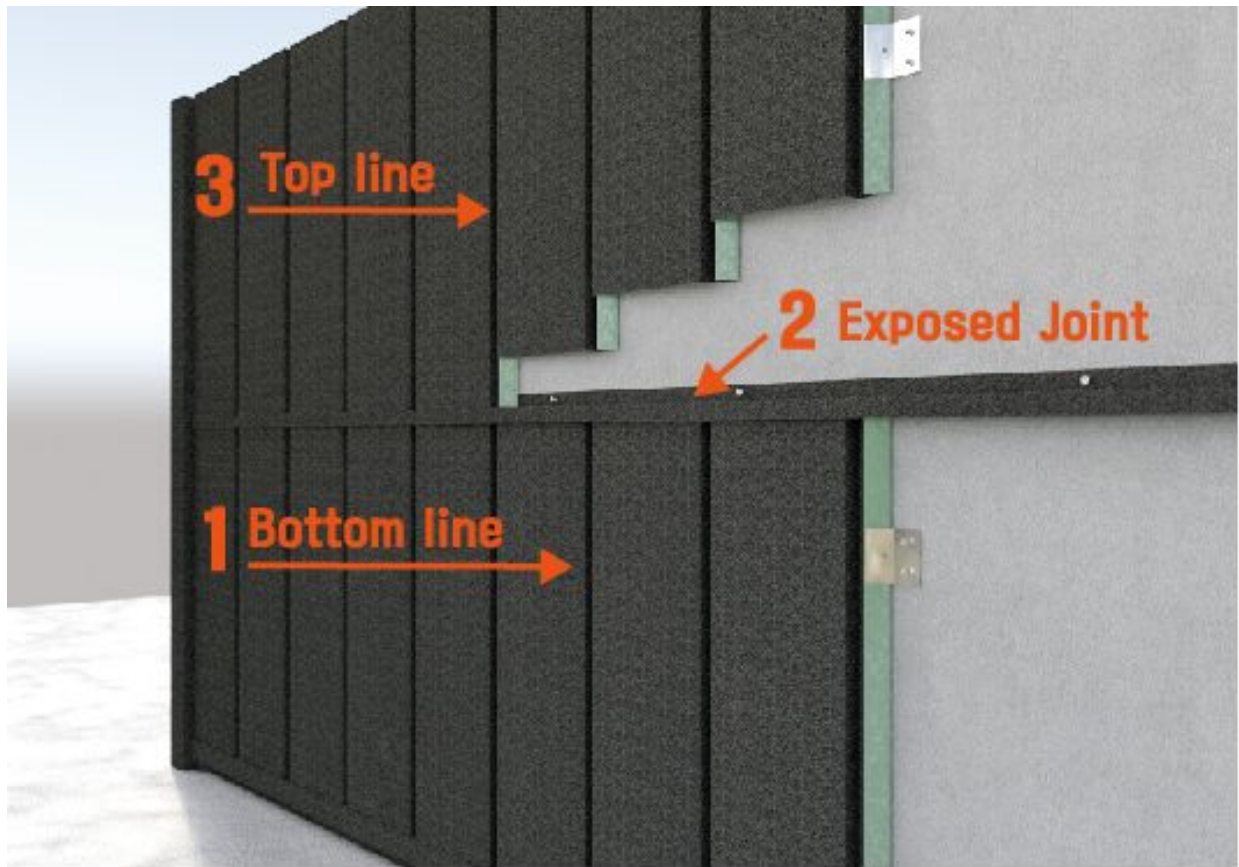
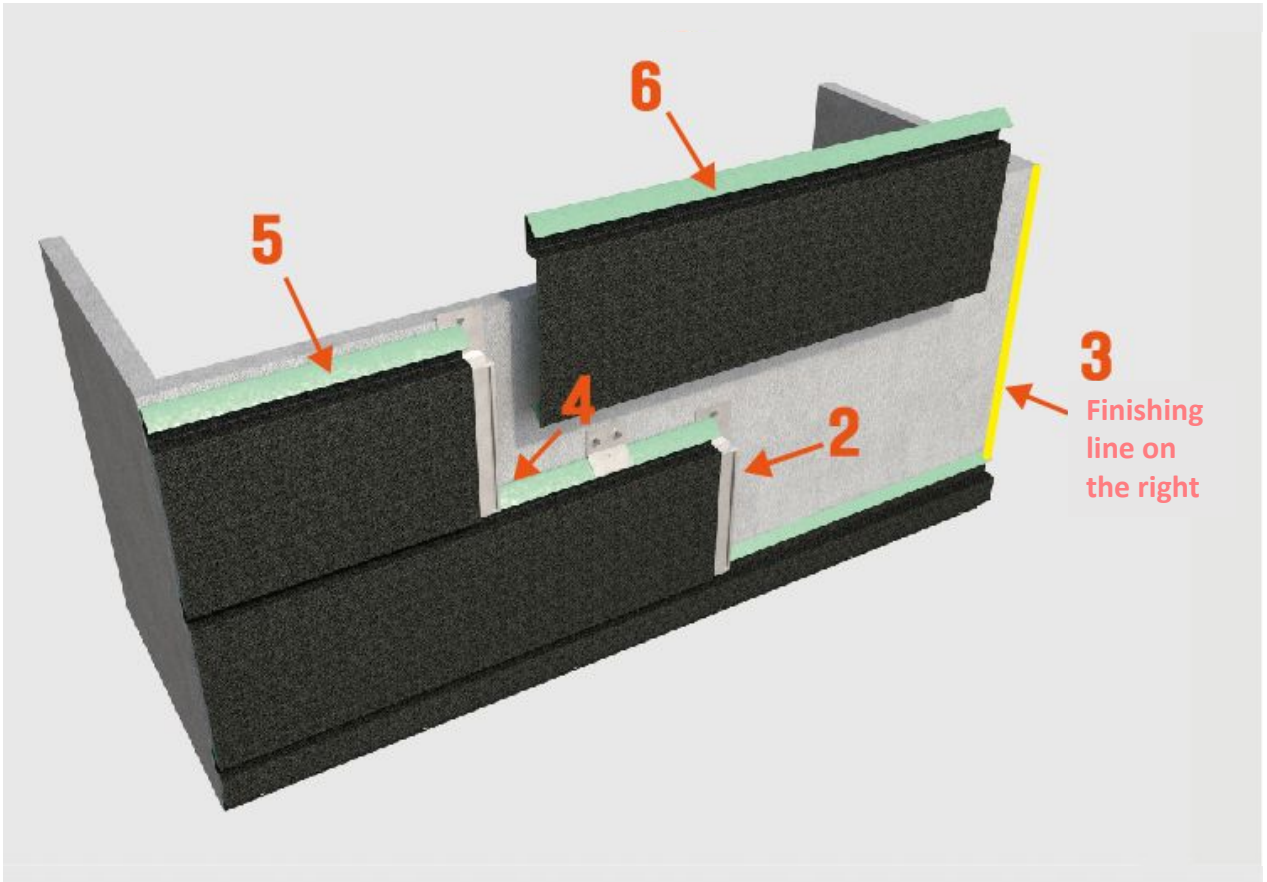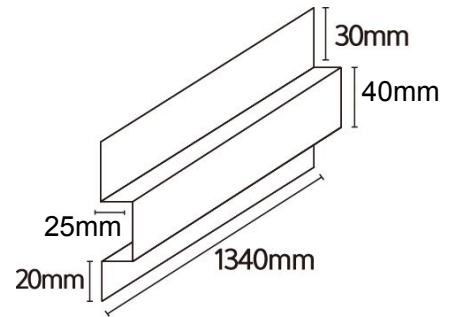1- Install Mattone from left to right on the bottom.
2- Use Exposed Joint over the first layer.
3- Continue the installation from left to right on the top.

1- Install the starter for horizontal Method

30mm
40mm
25mm
20mm
1340mm

6
5
4
2
3

Finishing
line on
the right

2. Install the first layer of Mattone panel and hidden joint in-between panels.
3. Installation should be done all the way to the right corner(#3 above) before start working on the nest layer.
4. To begin with the second layer, cut a Mattone panel in half and install using hidden joint in between #5 & #6 panels.
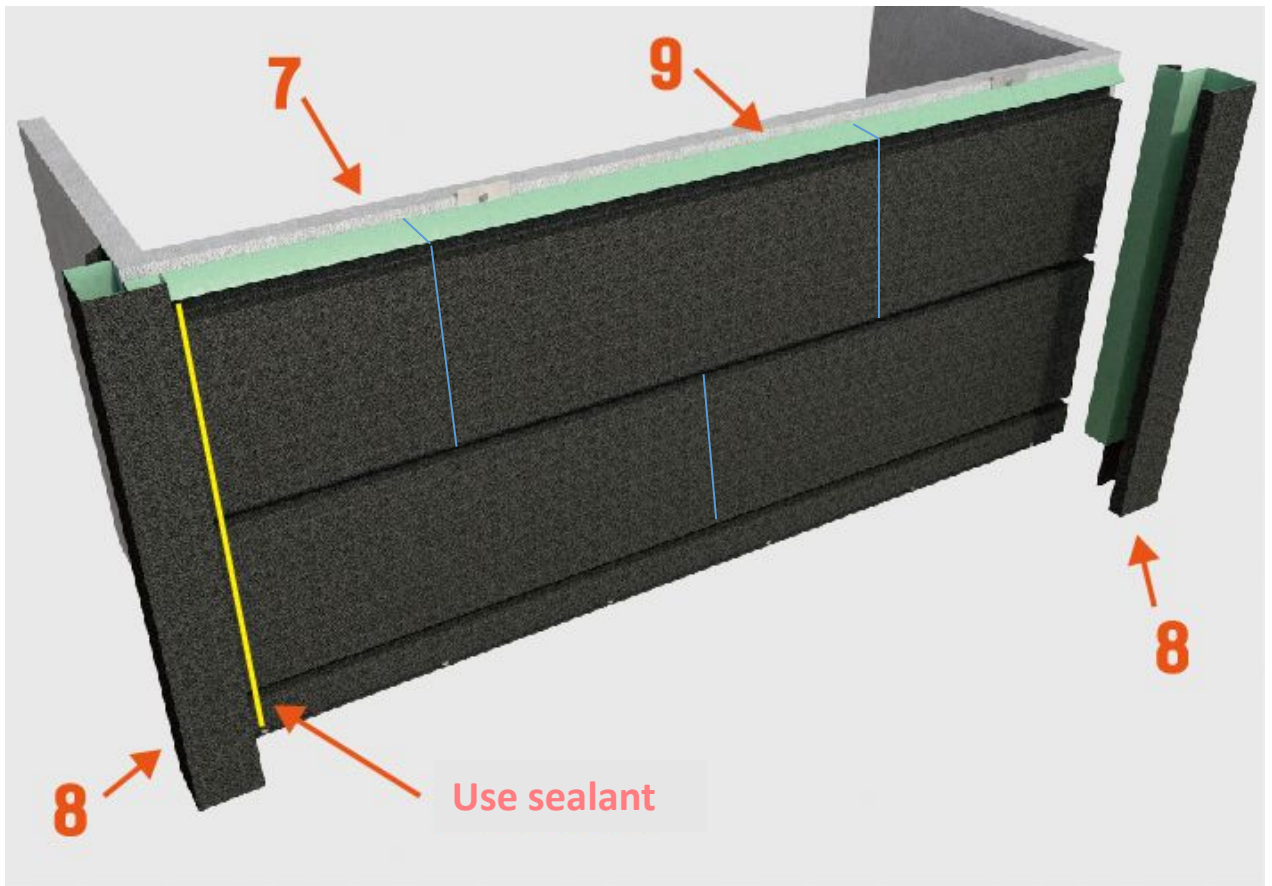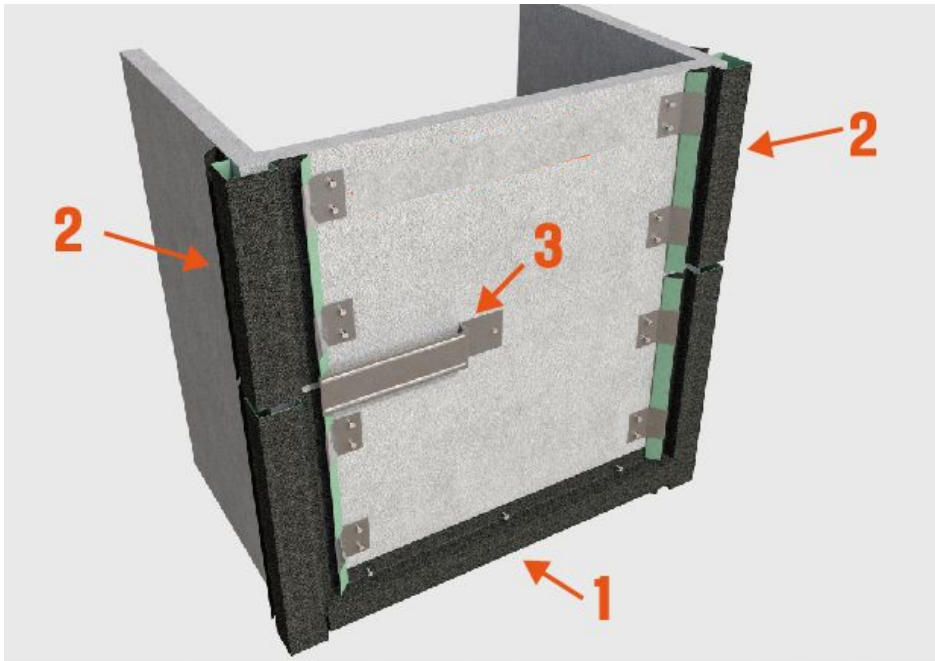
7. When horizontal overlapping installation is finished, attach outer corner.
8. After installation of the corners, use sealant to fill the gap
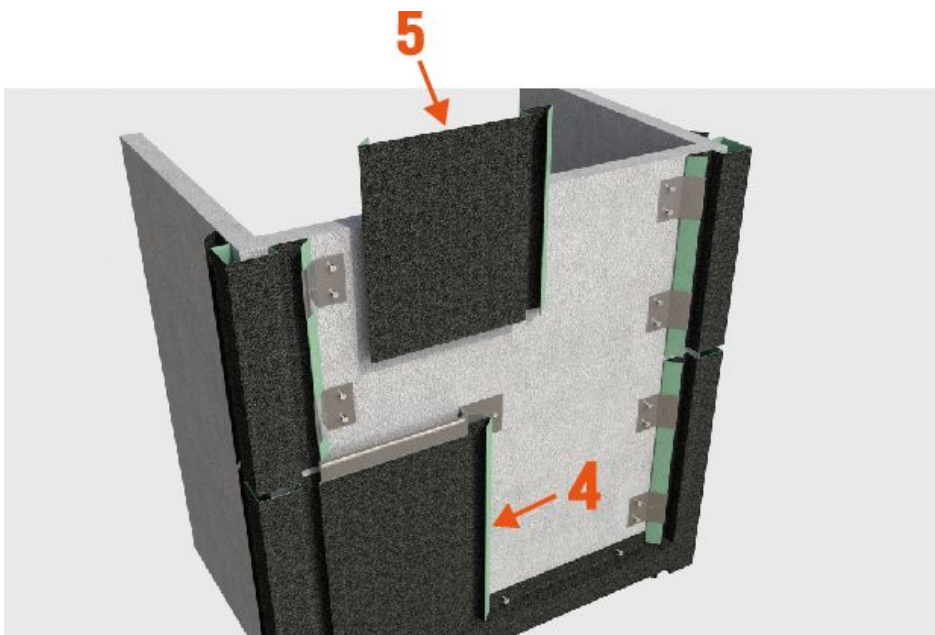9. Finish top layer by putting exposed joint.
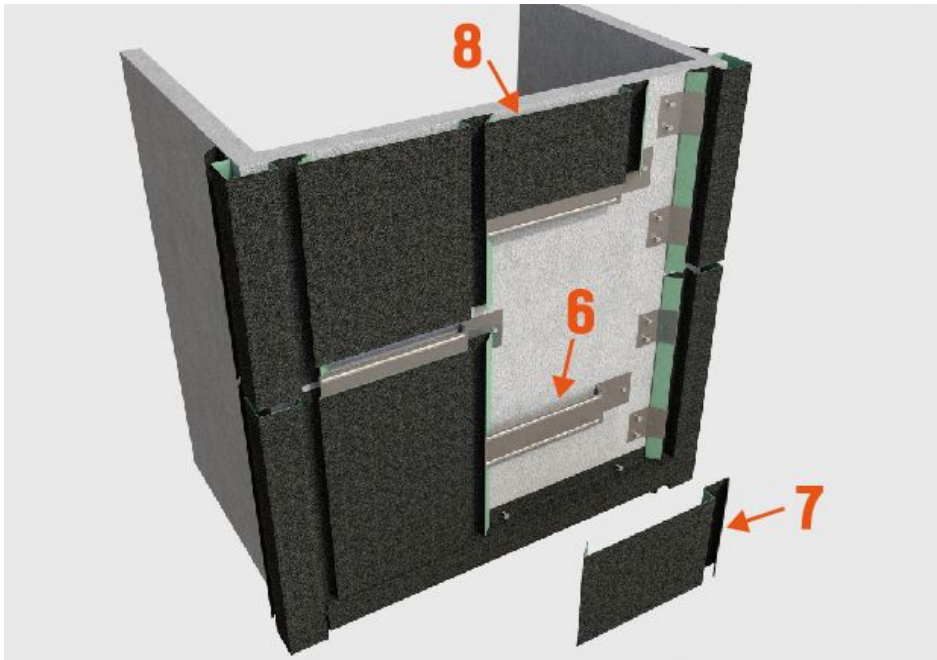

Exposed joint

1 - Install the starting panel on the bottom using fastener.
2 - Install outer corner for professionals on the both corners using side-clip
3 - Measure the height of the mattone panel, then install hidden joint on the proper spot.

4 - Fasten the mattone panel.
5 - Install another panel against the bottom panel.
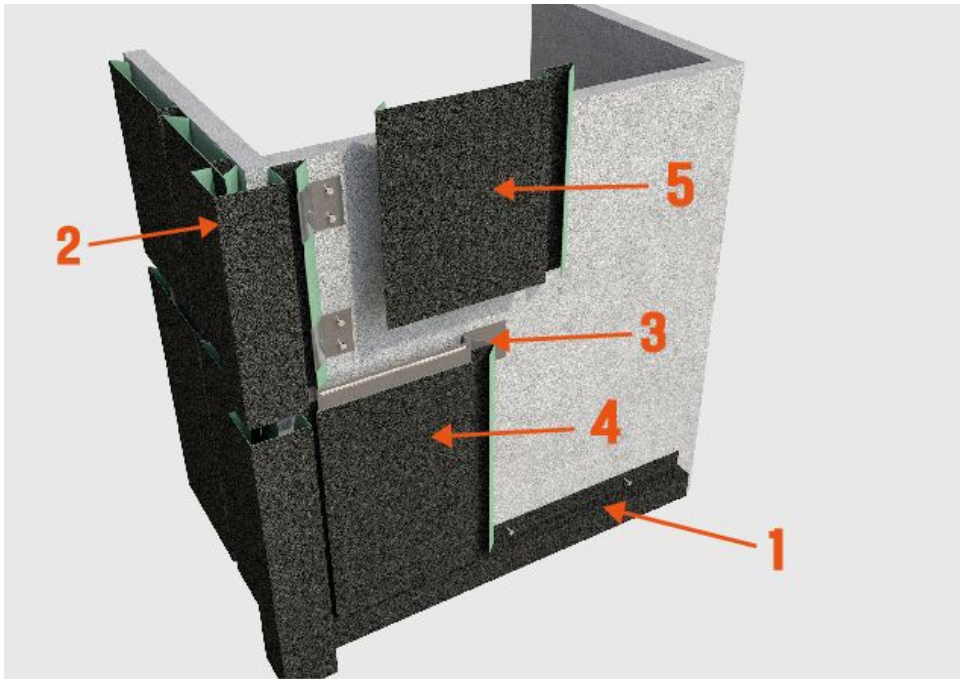To make it waterproof, use sealant.

6. Cut mattone panel into smaller pieces so panels could overlap. Hidden joints should be put up on the spot where the top of #7 will meet.
8. Panels should flush on the top of the wall.
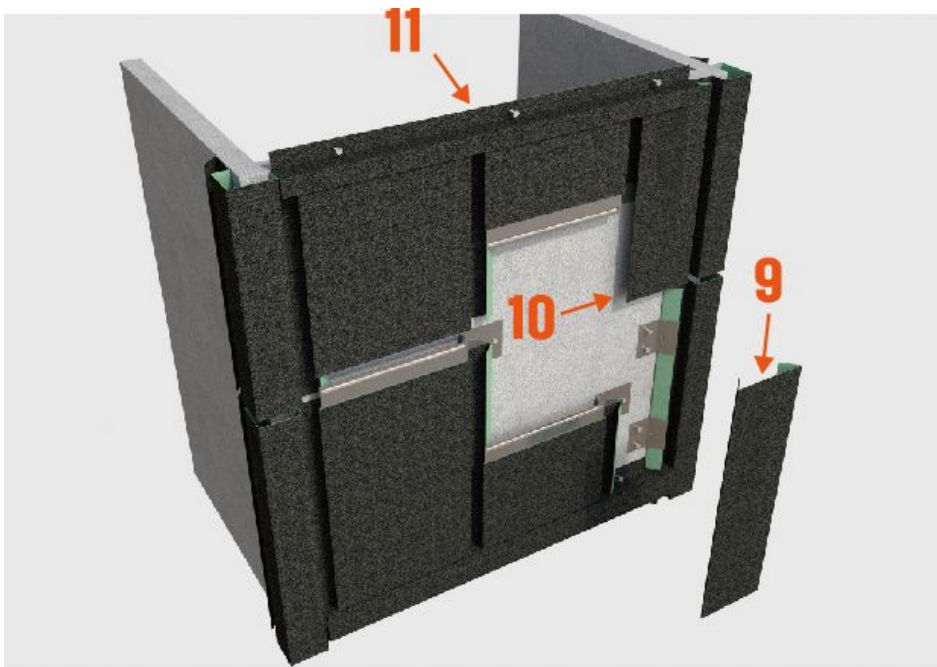
9. When the wall does not fit full width of the panel, cut and bend to fit.
10. Repeat the process 9. up to the top.
11. Install finishing panel.

1 – Install starter panel or J–channel panel on bottom.
2 – Install Out–corner 2 (Simplified) panel.
3 – Install hidden joint on a proper spot for the mattone panel (#4).
4 – Continue installing panels against each other panels.
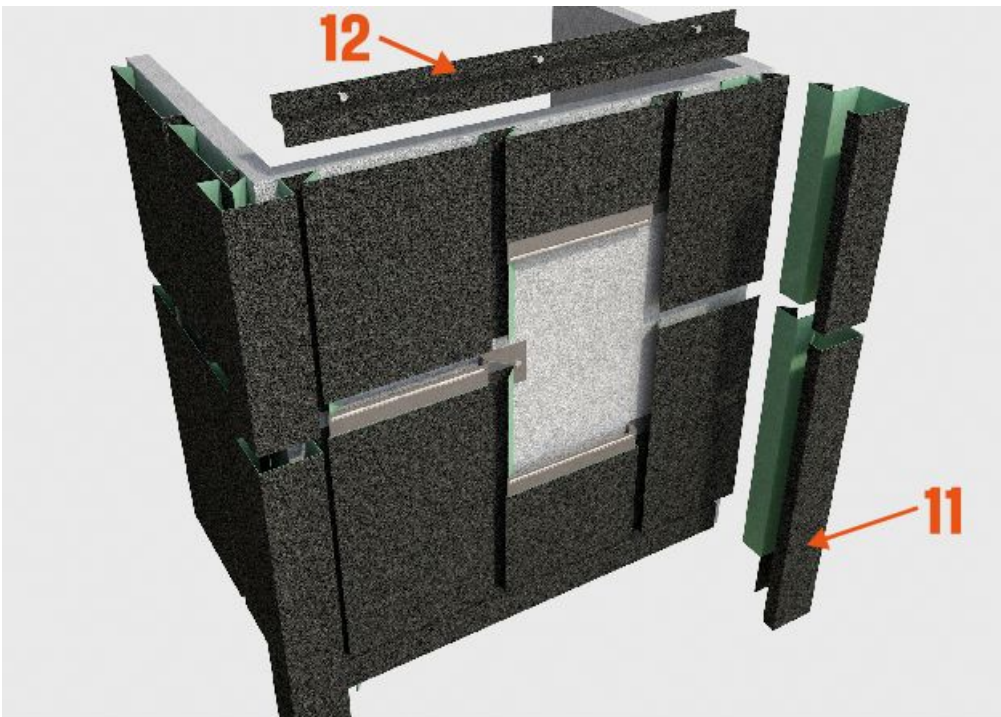5 – Install all the way to the top before working on the next layer

1340/2000mm
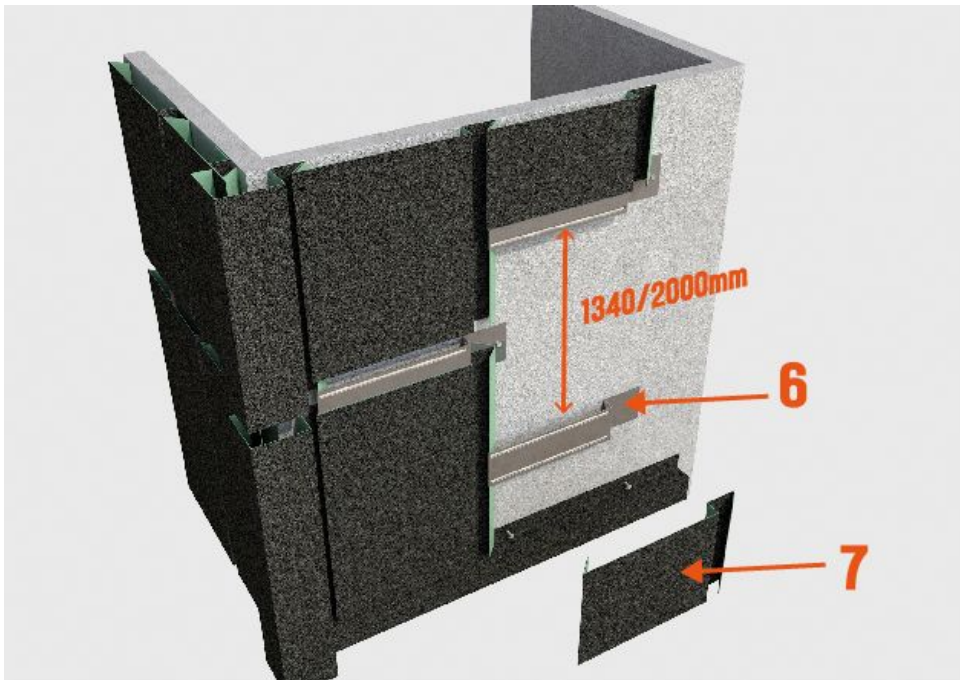
6 – Install hidden joint where cut Mattone panel(#7) will be mounted in overlapping pattern.
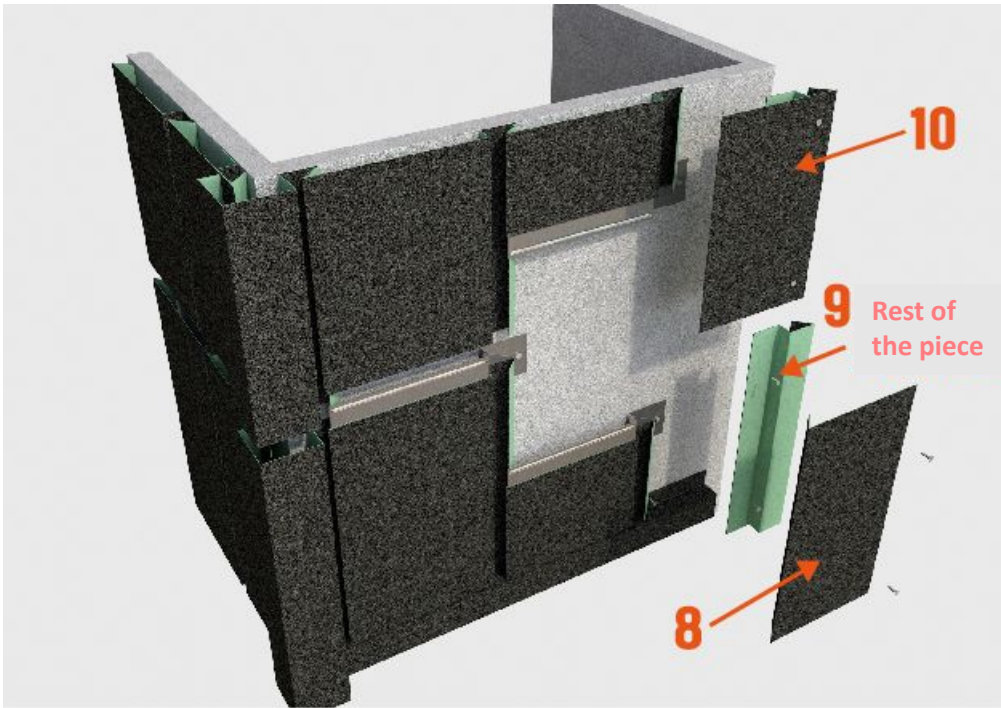
8 – When the wall does not fit full width of the panel, cut it into proper width and keep the cut part.
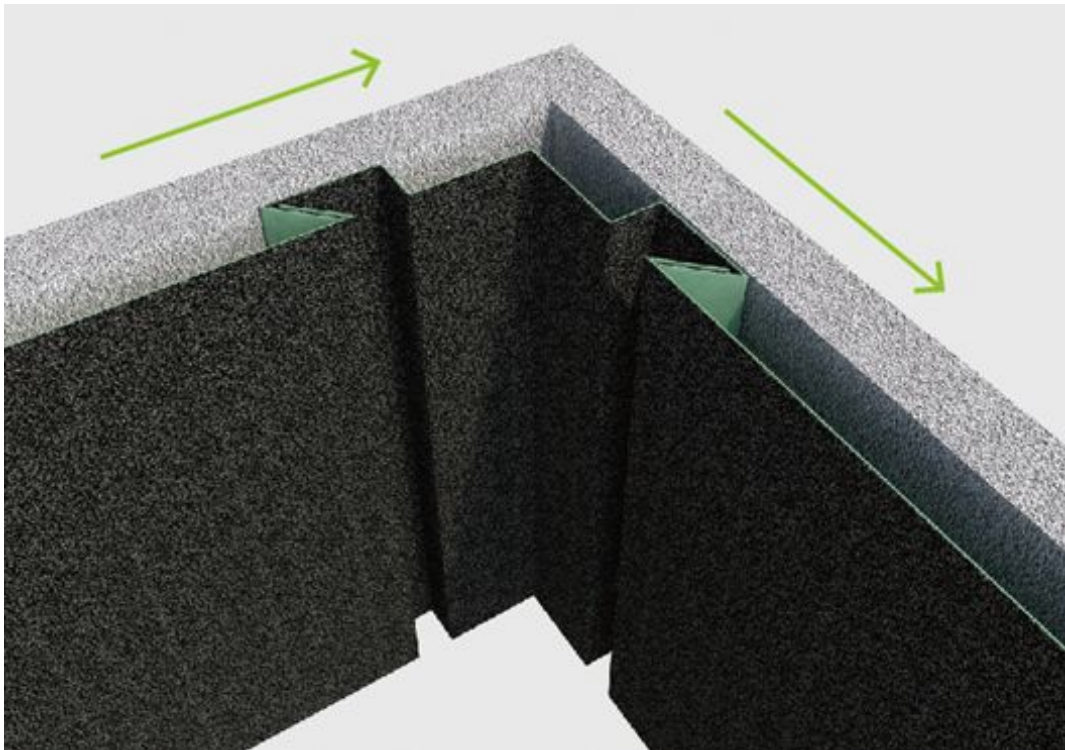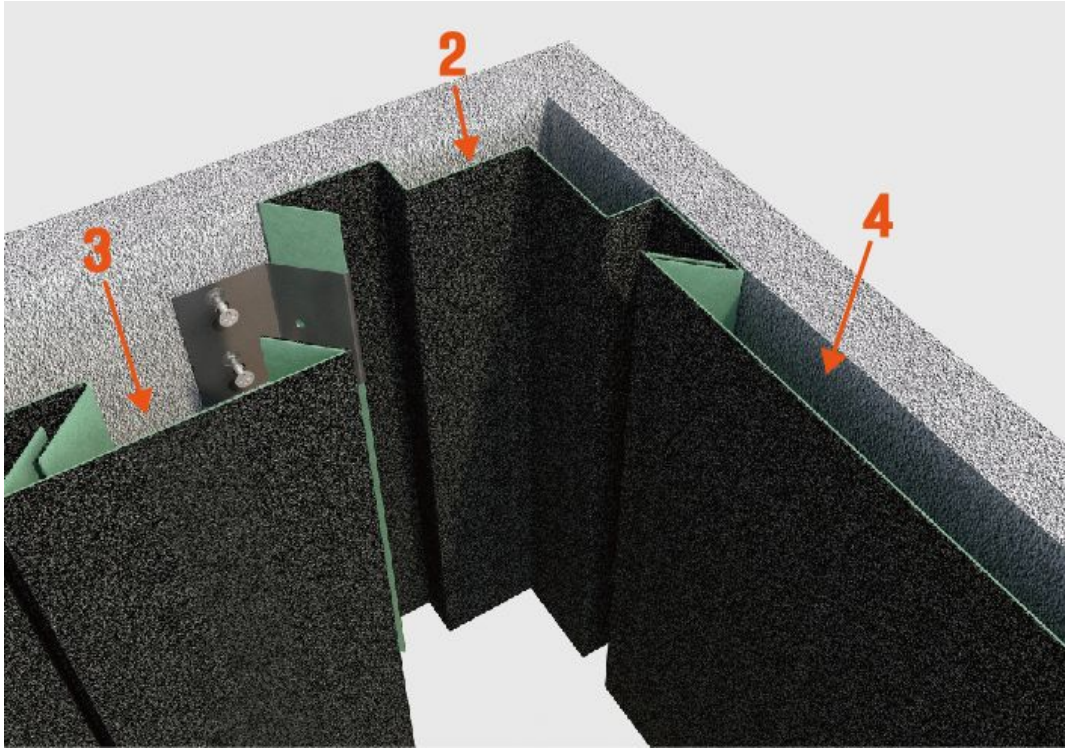9 – Install the cut part from #8 upside down as bottom bracket.
10 – Repeat the process all the way to the top.

11 – Install Out–corner 2 (simplified) with fastener and apply sealant.
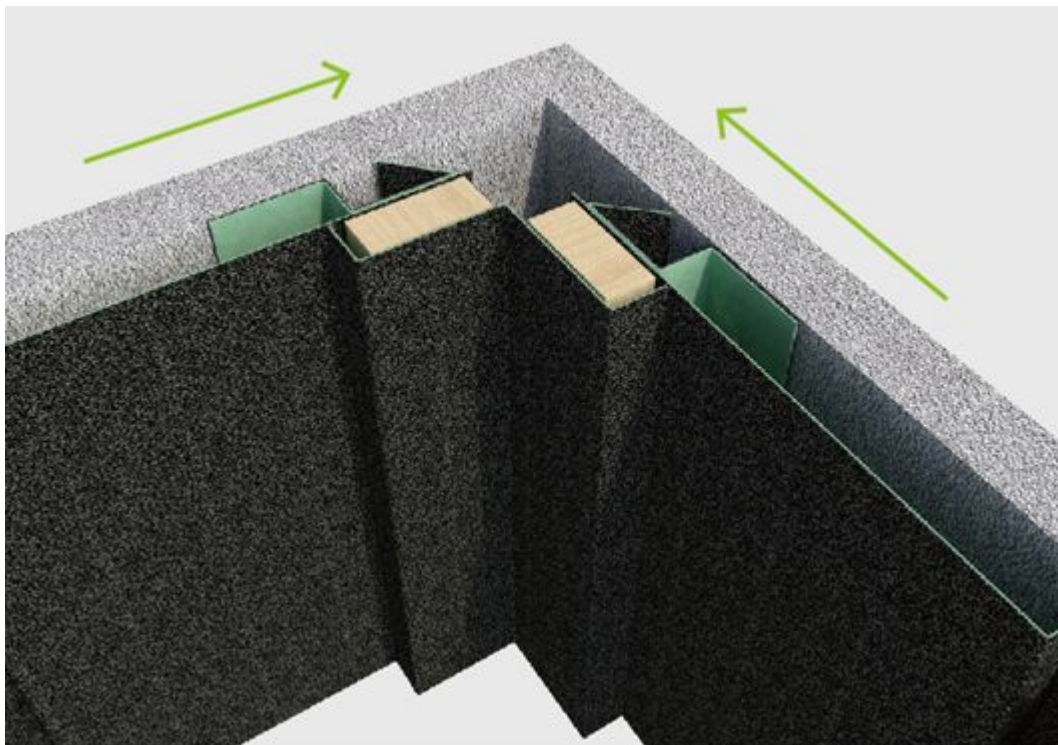12 – Finish with the top piece.
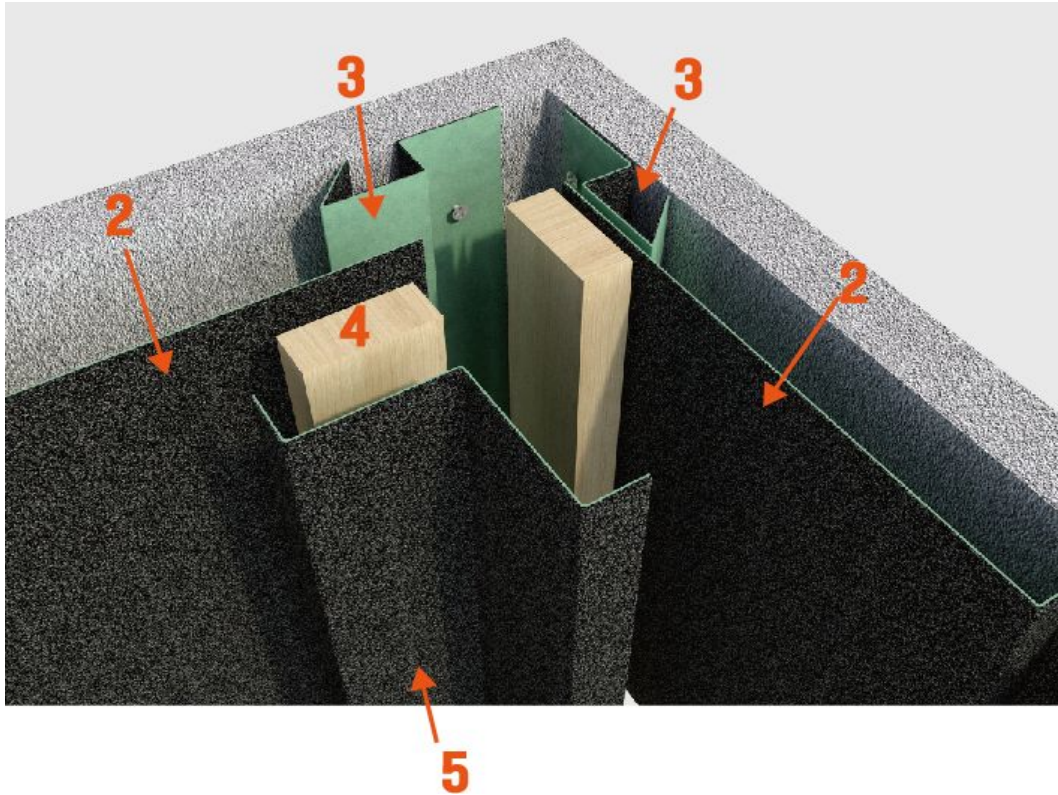
1 – Install starter panel on the bottom.
2 – Install In-corner panel (professional).
3 – Measure the width to cut and bend mattone panel.
4 – Install matone panel.

1 – Install starter panel on the bottom.
2 – Cut the mattone panel with proper width to the corner and keep the cut part.
3 – Cut part should be put inside out to be used as bottom braket.
4 – Use pre-treated batten with 15mm thickness as moldings.
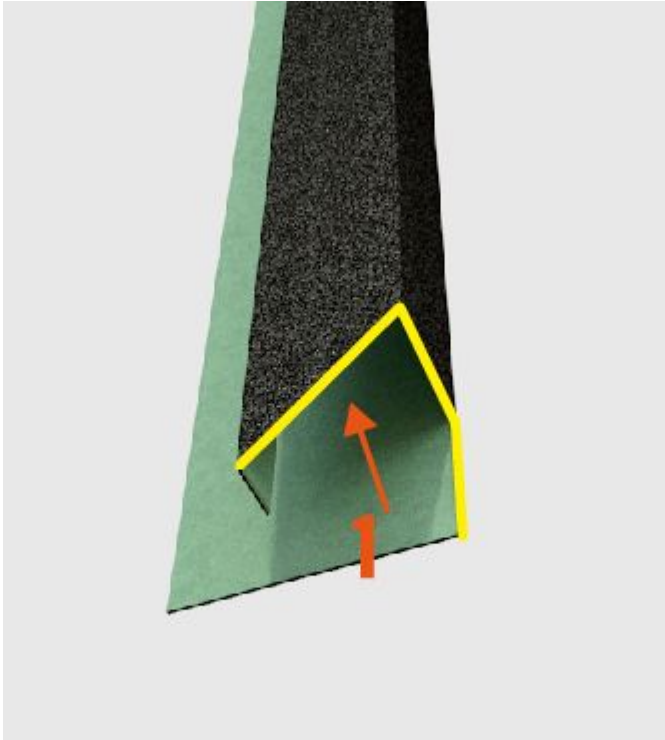5 – Install simplified in-corner using nail gun.
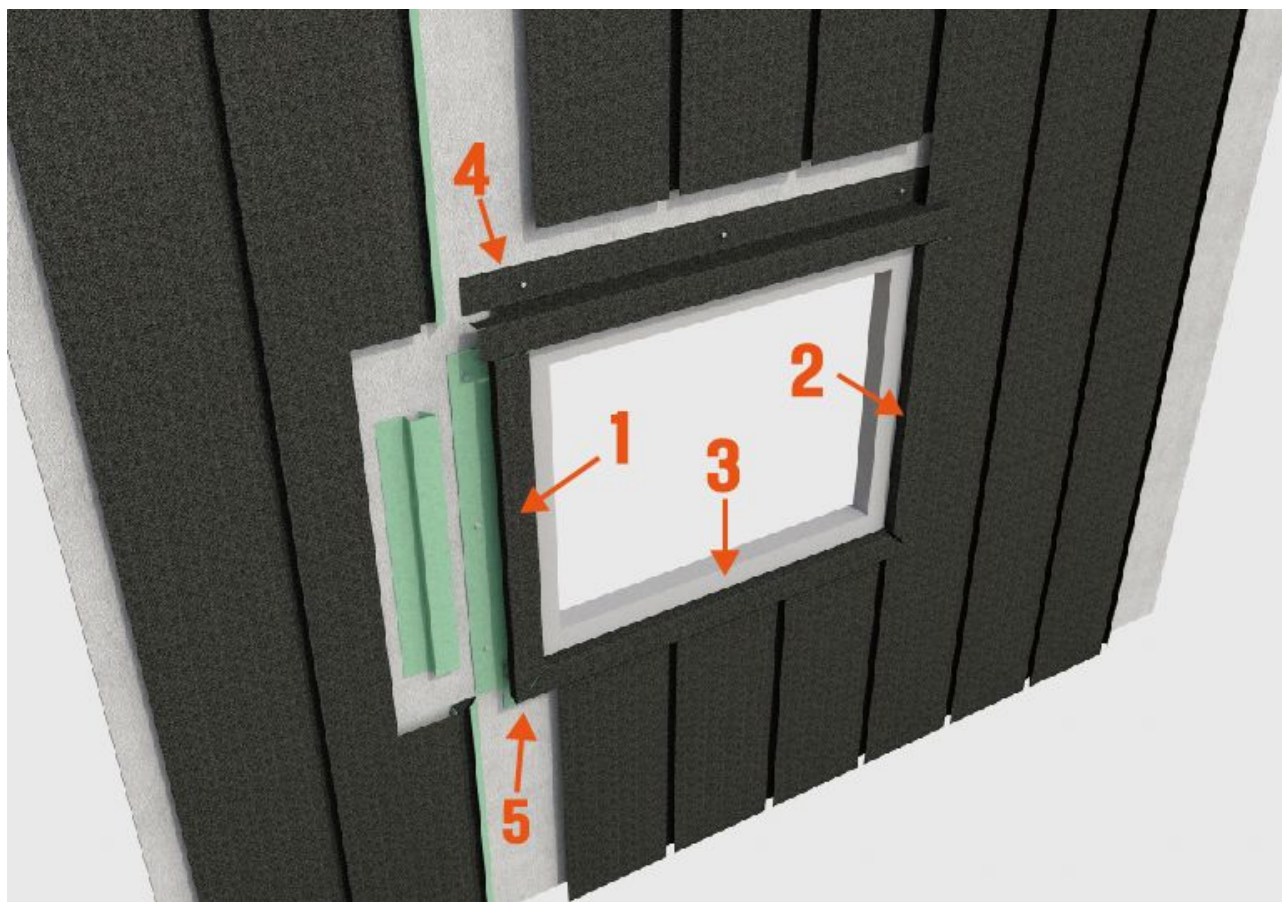
1- Cut the panel as shown on #1
2- Repeat the process
3- Put J channel panels together
4- Finish using sealant

## [Detail of cutting Chair type panel]

40mm

4. Mattone
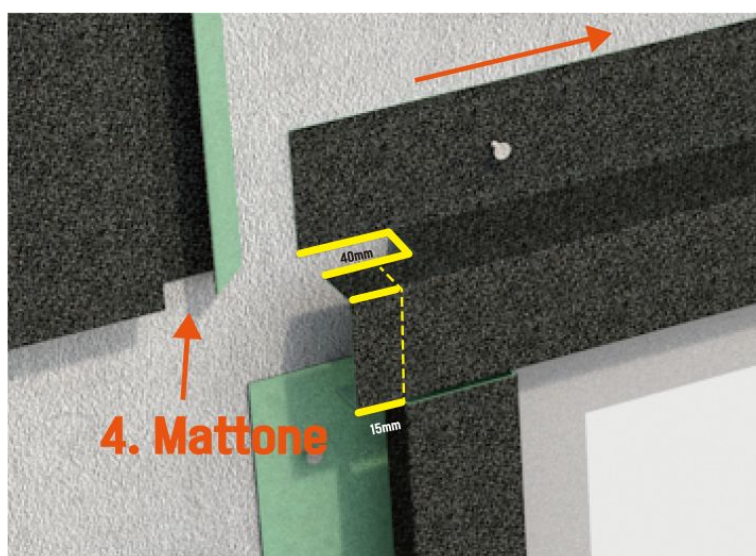
15mm

1- Cut Chair type panel 15 mm longer than J panel
2- Cut the panel as shown as the solid lines in the picture
3- Fold the panel following the dotted lines
4/5- Install the #4 panel on the left side and put the chair type panel to lock.
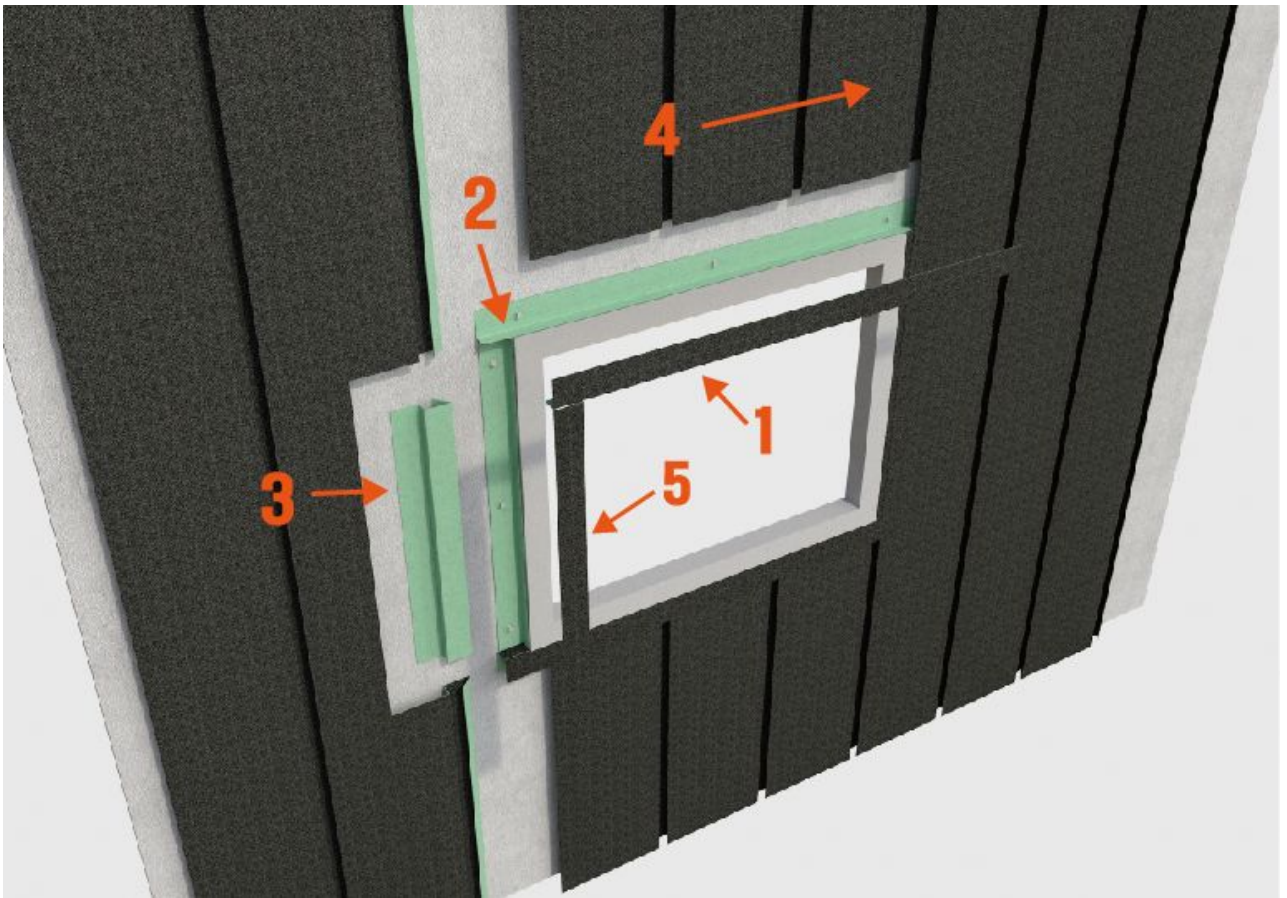
[Detail of J channel panel diagonal cut]

1- Cut the panel as shown on #1
2- Repeat the process
3- Put J channel panels together
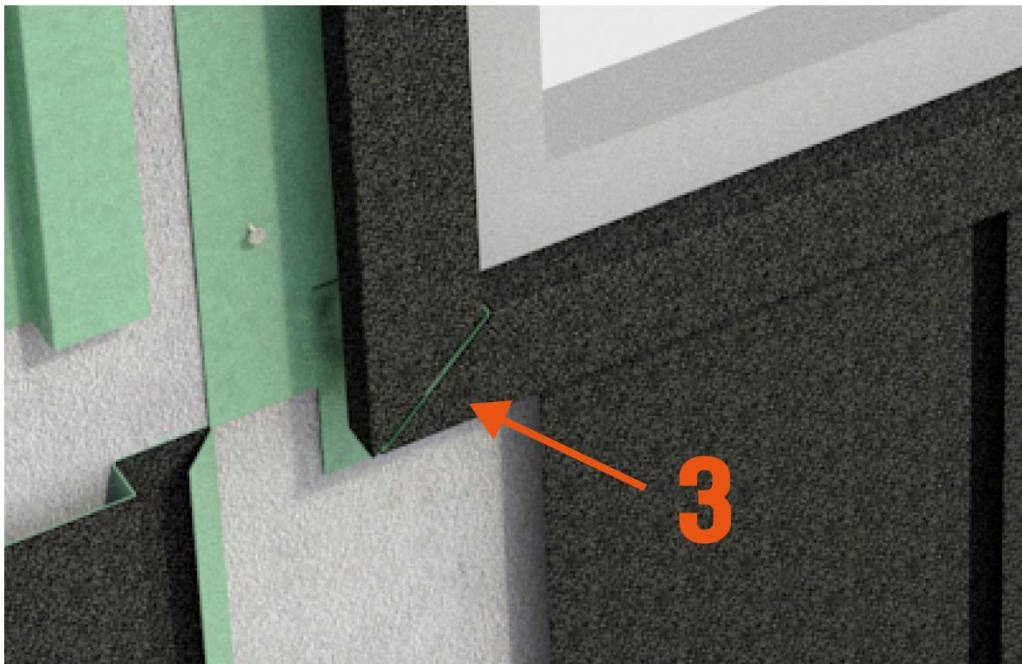
4- Finish using sealant on #3 in picture

1- Cut L panels fitting around a window frame in pairs

2- Put L panels around window frame inside out. Water channel should be applied sealant for drainability

3- Cut excessive mattone parts from the installation. Install inside out to use as supporting material

4- Install from left to right.

5- L panel should be installed after sealant is applied.