BUILDING PRODUCTS resysta

INSTALLATION GUIDE

RESYSTA CPH95, CPH140, CPH292, DECO, & RHOMBUS SIDING QUIK-TRIM SYSTEM

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III. General Notes

I. INTRODUCTION

Resysta is an extremely durable, timber look-alike, material. It is resistant to damage from the sun, rain, frost and even salt water. Unlike wood, it requires minimal maintenance and is highly resistant to pests, mold and cracks. Unlike other composite materials, it closely resembles the look and feel of natural wood, with a smooth surface finish. Resysta meets most of the future environmentally sustainable material requirements concerning recycled and fully recyclable materials. Resysta is used for its architectural aesthetic, and not for structural support.

SECTION 1 - Material Components

A combination of these three basic raw materials makes up the simple components that create Resysta. This innovative material offers designers and architects new creative horizons to utilize its compelling and unique appearance.

Approx. 60% RICE HUSK + Approx. 22% COMMON SALT + Approx. 18% MINERAL OIL = RESYSTA

OVERVIEW OF PARTS

SECTION 2 - Basics

RESSHTC10
Siding Hat Channel

CPSS25
Shoulder SS Screw

RESYSTA Profile
(CPH95/CPH140/CPH292
/Deco/Rhombus)

QTJM10
Quik-Trim J-Mold

QTOC10
Quik-Trim
Outside Corner

QTWJM10
Quik-Trim
Windows J-Mold

QTHM10
Quik-Trim H-Mold

QTIC10
Quik-Trim
Inside Corner

ISOMETRIC VIEW
Basic Parts of Quik-Trim System

SECTION 3 - Scope of Delivery

NO.	PRODUCT NAME AND SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
1	**CPH95** 95mm x 13mm x 2900mm Hollow Siding Profile		
2	**CPH140** 140mm x 13mm x 2900mm Hollow Siding Profile		
3	**CPH292** 292mm x 25mm x 2900mm Hollow Siding Profile		
4	**DPH14020** 140mm x 20mm x 2900mm Hollow Deco Profile		
5	**CPRB70** 70mm x 20mm x 2900mm Hollow Rhombus Profile		
6	**RESSHTC10** 20mm x 38mm Siding Hat Channel Mill Finish		
7	**RESSHTC10P** 20mm x 38mm Siding Hat Channel Punched Mill Finish		

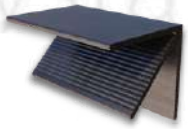
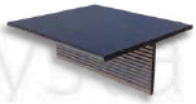
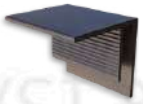
NO.	PRODUCT NAME AND SPECIFICATION	ISOMETRIC VIEW	SECTION VIEW
8	**QTWJM10** 25mm x 40mm J Quik-Trim Windows J-Mold		
9	**QTOC10** 25mm x 25mm Quik-Trim Outside Corner		
10	**QTIC10** 40mm x 40mm Quik-Trim Inside Corner		
11	**QTHM10** 40mm Quik-Trim H-Mold		
12	**QTJM10** 25mm x 20mm Quik-Trim J-Mold		
13	Quik-Trim Outside Corner PVC base		
14	Quik-Trim PVC base		
15	**RESSJS10** Starter J-Strip		
16	**CPSS25** 25mm TEC Shoulder Stainless Steel Screw		

Table 1.1 "Scope of Delivery"

NOTE:

To view a complete list of products, please refer to our Resysta brochure or visit our website www.resysta-asia.com

IMPORTANT:

Major Bullet Points You Must Follow for a Successful Resysta Installation

- Screw Placement
- Room for Expansion and Contraction
- Hard Fastening of each Plank
- Top to Bottom Ventilation
- Span over 400mm between supports, 3 hat channels are required
- 11.2mm Shim for CPH292 and 2mm Shim for DECO is required for spacing between interlocking boards

Note:

Proper planning of the Resysta board layout is essential for ease of installation of boards and components. Thoroughly read the following assembly instructions and obtain all necessary building permits prior to starting your installation. Decide finishing and trimming options prior to starting the project to ensure the finishing detail is uniform for all sides of the building. Installation is the sole responsibility of the installer. Resysta Company assumes no responsibility whatsoever with respect to the installation. The information contained herein is provided for guidance purposes only and should not be relied upon as an absolute representation by Resysta.

Safety Tips:

1. Always check for power, gas, and water lines before installing.
2. Always wear safety glasses when operating power equipment.

Packed finished material must be kept dry.

When packed, finished Resysta products are exposed to moisture, it can develop mold/mildew on the board surfaces if left packed/bundled..

If packed material is exposed to moisture, open immediately and spread material to allow surfaces to dry.

This condition only applies to packed material. Finished Resysta products installed in exterior applications will not exhibit this issue.

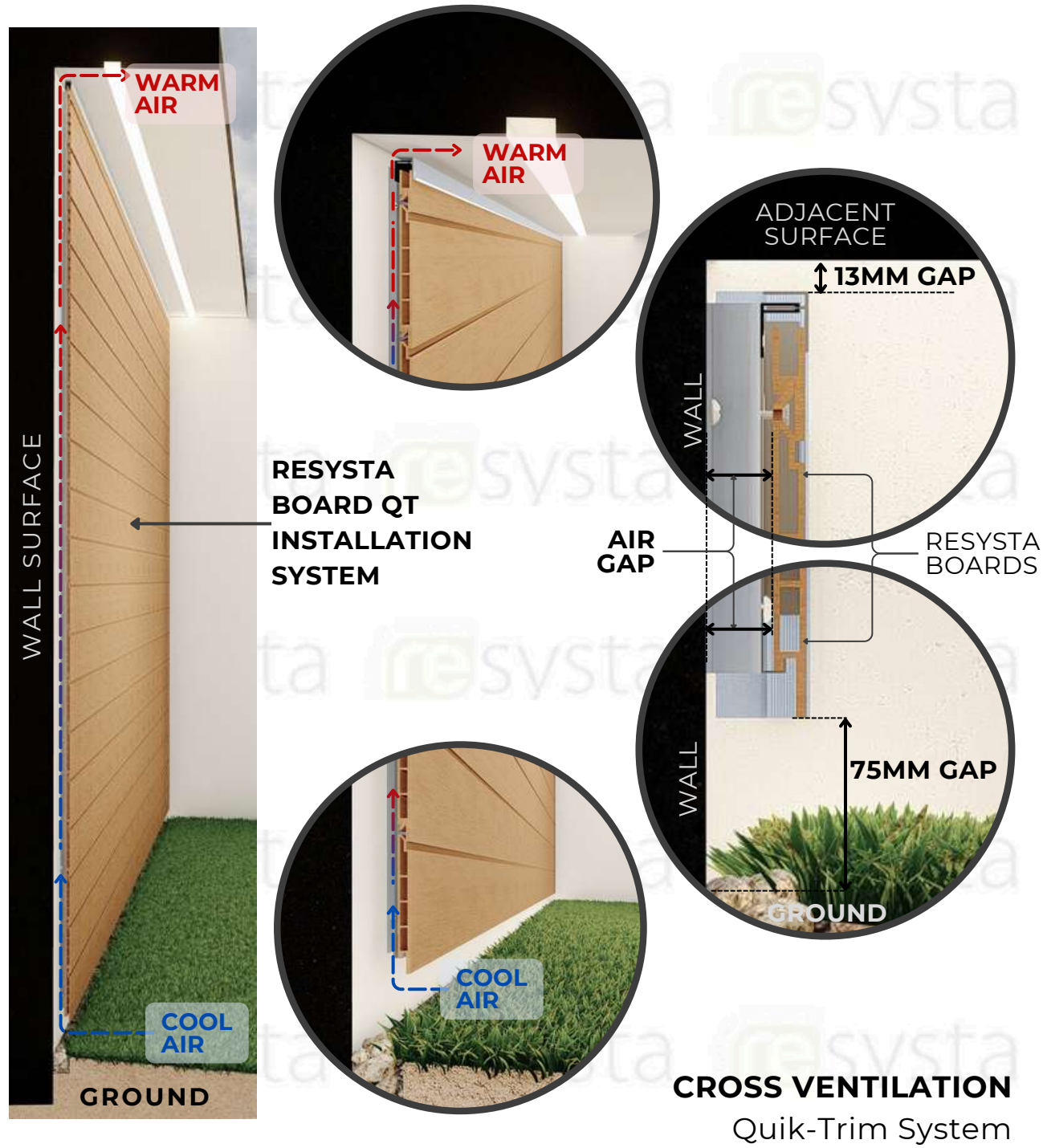
Assembly Tips:

1. Battens should be flat and level with each other. Resysta board will follow the contour of the wall.
2. The Resysta board system is not a rainscreen or waterproof system. Resysta board is a watershed system.
3. Proper wall preparation according to local building codes and wall covering manufacturer's recommendations should be adhered to. This includes, but is not limited to, flashing all openings.
4. All holes should be predrilled, and installation holes should be slotted.
5. Only use construction fastening material and hardware suitable for outdoor use (e.g., stainless steel screws). The use of CPSS25 shoulder screws is recommended.
6. Always consider the linear expansion of Resysta, which is dependent on the temperature but not the air humidity. See Table 1.3 "Resysta Expansion - Contraction Guide" and Table 1.4 "Resysta Expansion Chart" for more information.
7. Cut-off pieces and/or abrasive dust must be disposed of separately. Please comply with the regulations of your competent waste management. You may, under no circumstances, burn Resysta material.
8. Cutting to length should be carried out at a consistent material temperature. Therefore, the material should be stored in the shade or in areas where it is not exposed to direct sunlight. The material can warm up considerably in the sun, leading to an increased change in length. In the case of more distinct fluctuations in material temperature, cutting to length may have to be adapted accordingly.
9. Please store Resysta products flat on a level surface.
10. DO NOT use Resysta CPH292 siding in soffit applications.

MANDATORY VENTILATION

Cross ventilation (also called Wind Effect Ventilation) is a natural method of cooling. The system relies on wind to force cool exterior air into the building through an inlet (like a wall louver, a gable, or an open window) while the outlet forces warm interior air outside (through a roof vent or higher window opening).

In Resysta board installation, the 75mm gap at the bottom part of the board system acts as the cool exterior air INLET, while the 13mm gap on top acts as the warm interior air OUTLET. The air gap between the wall surface and the boards, resulting from the battens subframes' height, allows air flow for cross ventilation through the board QUIK TRIM INSTALLATION SYSTEM.



CROSS VENTILATION
Quik-Trim System

Code Compliant Batten Spacing

Part Number	Part Description	Batten Span (mm)	Minimum Steel Gage Size
CPH95	Siding Profile 95mm x 13mm	400	18
CPH140	Siding Profile 140mm x 13mm	400	18
CPH292	Siding Profile 292mm x 25mm	400	18
DPH14020	Deco Profile 140mm x 20mm	400	18
CPRB70	Rhombus Profile 70mm x 20mm	400	18

Table 1.2 "Batten Spacing Requirements"

Recommendation for Batten Spacing

If the board is being installed in a hot southern location and will be exposed to direct sunlight for the majority of each day and/or the board will be stained a dark color, the batten spacing is suggested be reduced to 200mm or 300mm center-to-center for all profiles.

Expansion / Contraction of Resysta Board

Resysta Expansion – Contraction Guide	
Profile Length	2900mm
Expansion / Contraction amount (approx.. 0.3% over 32°C variation in temperature)	10mm

Table 1.3 "Resysta Expansion – Contraction Guide"

Ensure a steady material temperature when cutting the boards to size, i.e. the cutting has to be done under constant conditions, e.g. inside or in shade.

Always consider linear expansion of Resysta profiles during the installation of the products. If temperatures fluctuate during the installation, the gaps placed between the ends of the boards and a corner, window, or door must change with the temperature. Use the guide above to gap boards during installation.

Resysta Board Expansion Chart			
Surface Temperature	Gap (2.90mts)	Gap (3.66mts)	Ending
30°C - 40°C	2mm	3mm	10mm
15°C - 30°C	3mm	4mm	15mm
40°C - 60°C	1mm	2mm	10mm
60°C - 70°C	0mm	0mm	5mm

Table 1.4 "Resysta Expansion Chart"

Ensure a steady material temperature when cutting the boards to size, i.e. the cutting has to be done under constant conditions, e.g. inside or in shade.

Expansion joint caters for temperature- dependent linear expansion of 1mm gap per running meter every 10 degrees in temperature change between the ends of the planks. e.g. 2.90m plank= approx. 3mm distance. If the planks are installed closed to a wall the distance here should be 10mm. (Refer to expansion chart)

1. The Dimensional change of Resysta is solely dependent on the thermal expansion. Air humidity and water have no influence on dimensional change. Thermal expansion has to be considered at installation.

2. Cutting to length should be carried out at consistent material temperature. Therefore, the materials should be stored in the shade or in areas where it is not exposed to direct sunlight. The material can warm up considerably in the sun, leading to an increased change in length . In the case of more distinct fluctuations in material temperature, cutting to length may have to be adapted accordingly.

3. Resysta has a high vapor diffusion resistance. Please consider at installation.

4. Resysta has a class A fire rating (ASTM-E84).

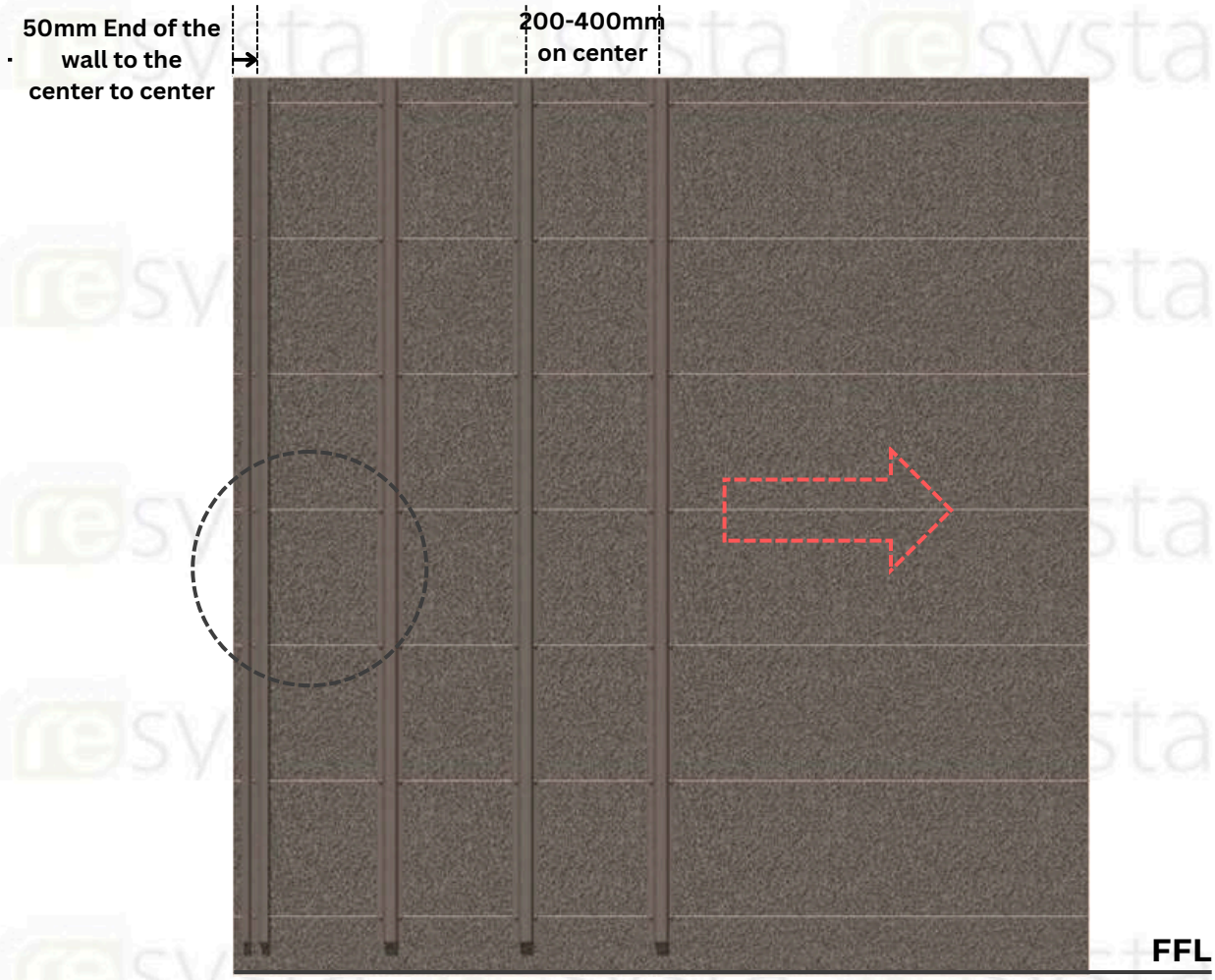
5. Cut-off pieces and/or abrasive dust have to be disposed separately. Please comply with regulations of your competent waste management. You may under no circumstances burn Resysta yourself.

II. INSTALLATION - PROCEDURE

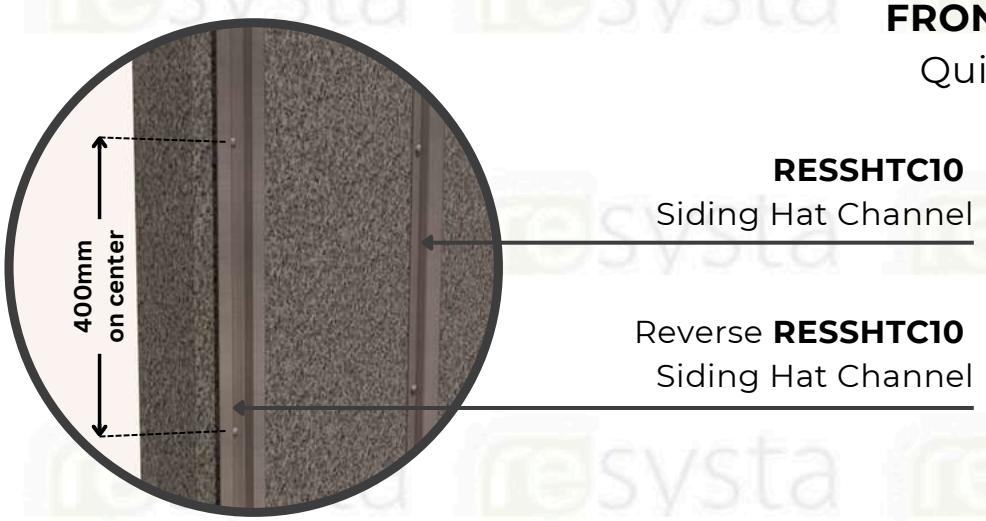
SECTION 1 - Batten Substructure

General Notes on Batten Substructure

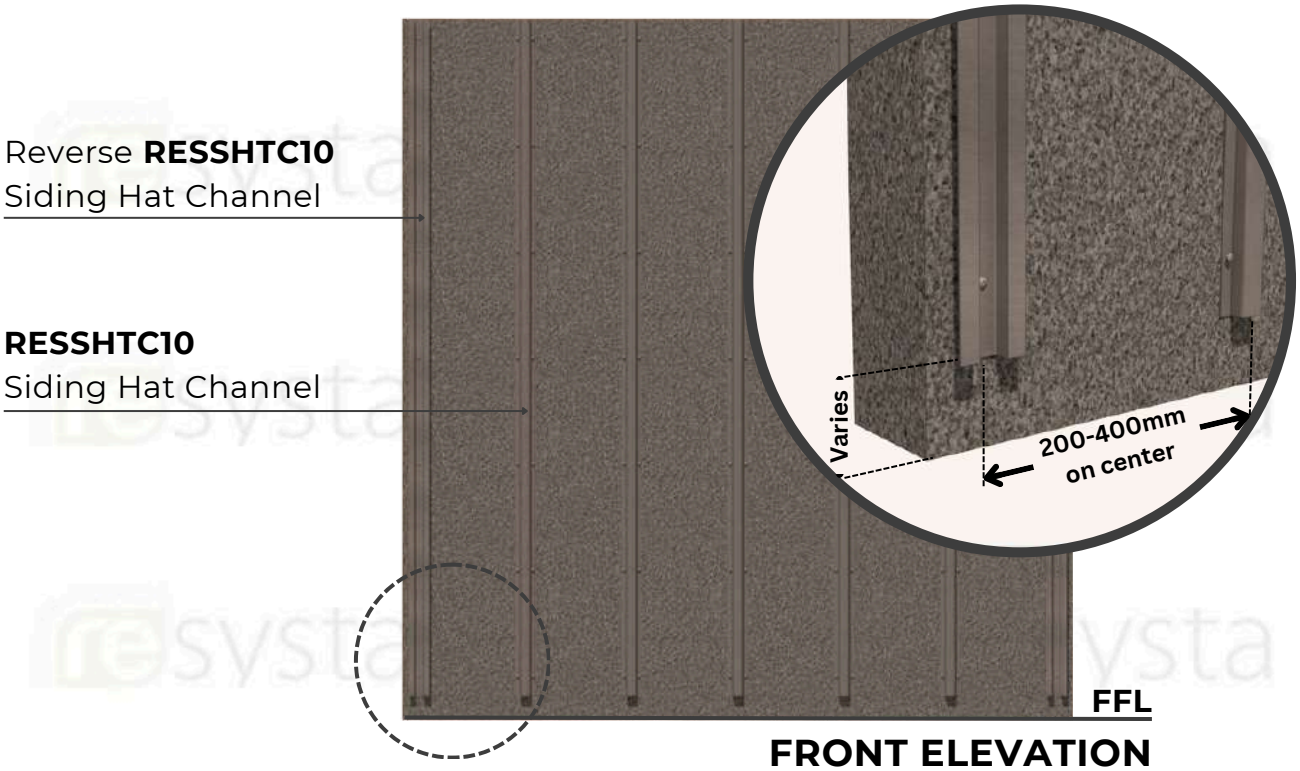
Resysta boards can be installed in horizontal or vertical applications and the batten substructure should be planned to accommodate how the boards will be installed.



FRONT ELEVATION
Quik-Trim System

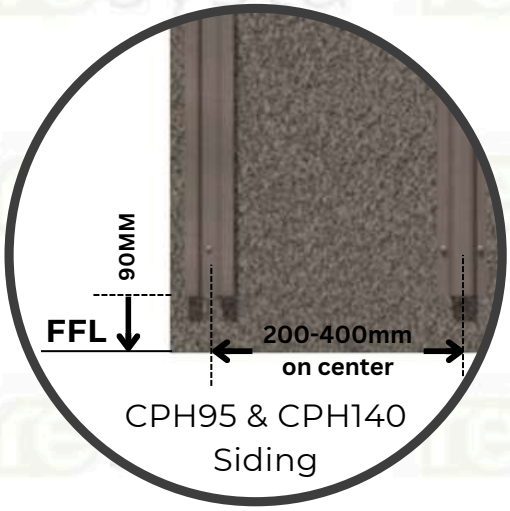


DETAIL
Quik-Trim System

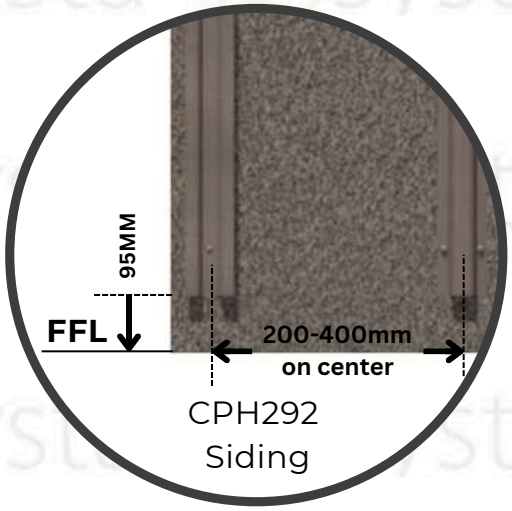


FRONT ELEVATION
Quik-Trim System

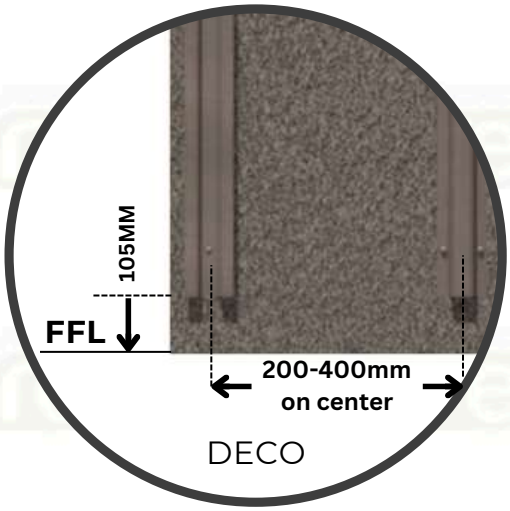
Note:
Necessary above-ground spaces for different Resysta profiles of the Hat Channel.



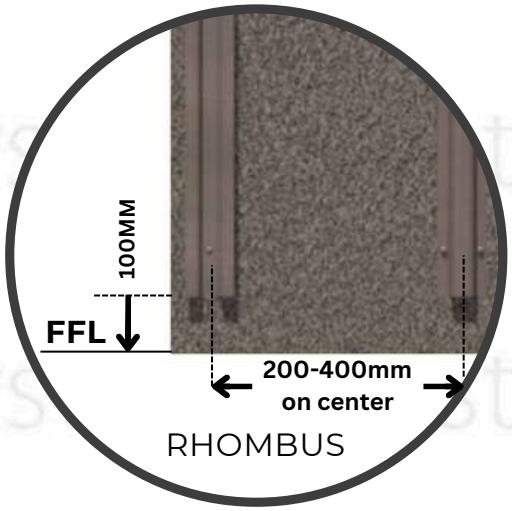
CPH95 & CPH140
Siding



CPH292
Siding



DECO

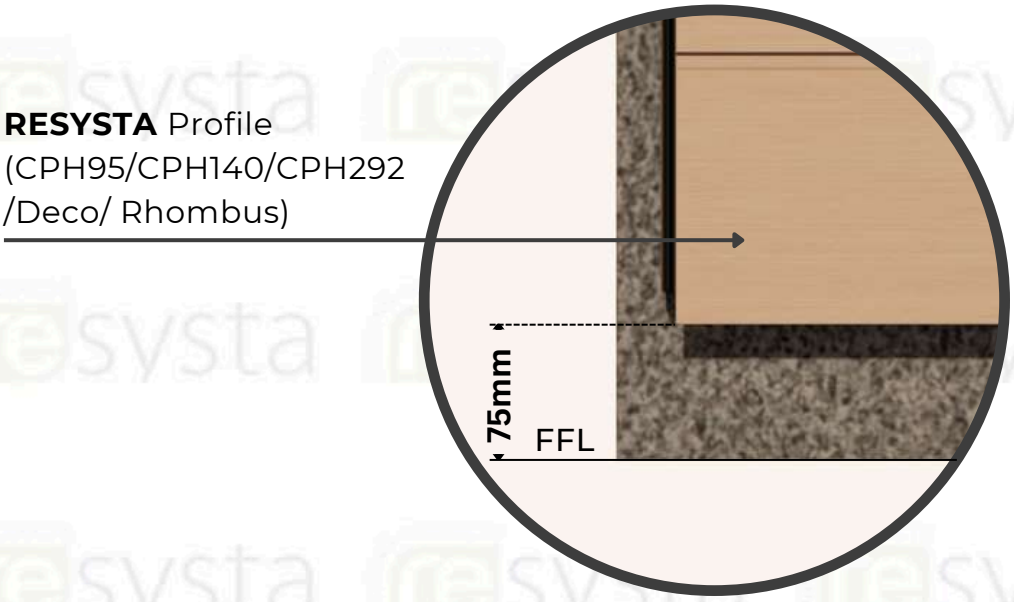


RHOMBUS

Note:
For Vertical board Installation a Perforated Hat Channel must be used to allow airflow and drainage of water.

FRONT ELEVATION
Quik-Trim System

Resysta boards require a minimum of 75mm from the ground to the start of the board in both horizontal and vertical installations. Plan the batten substructure and wall assembly accordingly to accommodate board installation while adhering with local building code requirements.



DETAIL
BATTEN DETAIL

Resysta Aluminum Batten Substructure

Install the battens and secure them to the frame substructure in compliance with local building codes. Ensure that the installed battens do not exceed the “Batten Spacing Requirements” of Table 1.2. On walls where two boards will be used end-to-end, a minimum of two battens must be used to accommodate the fastening of the boards and any trim pieces desired to the batten substructure where the boards meet. Prior to installing the Resysta boards, ensure that the batten installation provides a minimum 20mm air gap behind the boards and there is sufficient support for all boards and trim accessories. This is often achieved through the installation of battens with a minimum thickness of 20mm.

Battens should be installed on top of a code-compliant sheathing with fasteners and fastener spacing sufficient to accommodate all loads imposed upon it by the Resysta board, trim components, and any other accessories attached to the battens. Resysta boards must be attached to aluminum battens with Resysta Shoulder stainless steel screws (CPSS25 Screw) taking care to not penetrate the weather barrier. If the weather barrier is going to be penetrated reference the weather barrier manufacturer’s recommendations.Notes on Resysta Shoulder Screw CPSS25.

SECTION 2 - Trim and Accessory Options

Aluminum Trim systems made for Resysta boards are recommended for covering the ends and gaps of boards. Suggested supply includes, but is not limited to: Quik-Trim Outside Corner Trim, Quik-Trim Inside Corner Trim, Starter J-Strip (to start boards), Quik-Trim H-Channel Trim (to cover wall gaps), Quik-Trim J-Channel Trim (used for board termination). Aluminum Quik-Trim, Trims are standard aluminum alloy 6063 T5 and have a 1.2mm nominal wall thickness. Aluminum Trims come in 2900mm lengths and shall have a standard Mill Finish for field priming and painting unless otherwise specified.

Aluminum Quik-Trim – General Installation Guidelines

Aluminum Quik-Trim, Trim must be cut with a 150-tooth carbide-tip blade for nonferrous metal. Blade Lubricant must be applied to the blade before each cut and the lubricant should be cleaned from the trim prior to installation. None of the Trim should be installed horizontally unless weep holes are drilled at 200mm intervals to allow for moisture to escape from behind the face flange. Exceptions to this are 1) a Starter J-Strip installed in any direction and 2) a Quik-Trim J-Channel Trim when it is installed horizontally with its face flange pointing down.

Resysta Aluminum Quik-Trim – Aluminum Batten Installation Guidelines

When using metal battens, either steel or aluminum, it is recommended to use the shoulder SS Screw CPSS25 which can be driven through the aluminum quik-trim and into the metal batten. The quik-trim should be fastened 400mm on the center for either horizontal or vertical installations. If the batten substructure spacing is reduced for the boards the quik-trim should be fastened at the same interval as the boards. Be aware of fastener placement for the quik-trim so as to not hinder the installation of the Resysta boards.

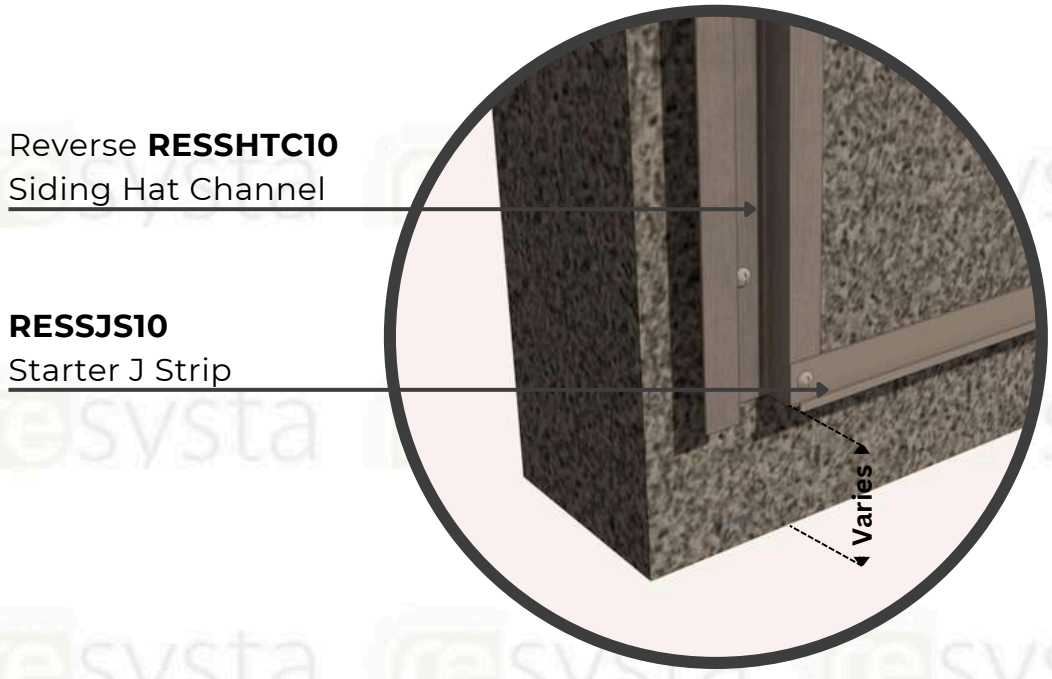
SECTION 3 – Horizontal Board Applications

STEP 3.1

Pre-apply the Quik-Trim PVC base for all finishing trim accessories such as quik-trim around corners, windows, and doors according to the pre-plan layout and following the manufacturer's recommendations. Ensure that all quik-trim is level and square. Battens should be installed vertically.

STEP 3.2

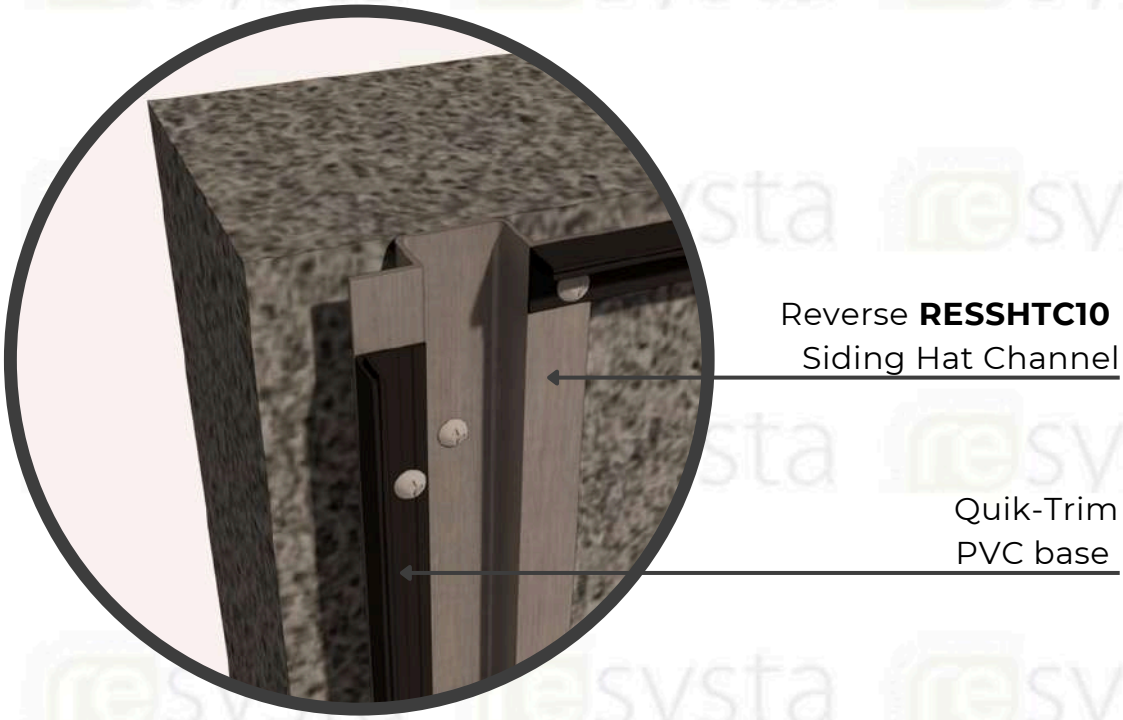
An aluminum starter j-strip is required to install the Resysta board. Attach the starter J-strip at the bottom of the battens following the fastener and spacing recommendations in Section 2. The Resysta boards will hang below the bottom of the starter strip therefore the starter strip should be attached accordingly as per the pre-plan layout.



DETAIL
Quik-Trim System

STEP 3.3

The Quik-Trim PVC base should be installed at every end of the reverse hat channel and on top of all the hat channels, by screwing on the PVC base on its groove.



DETAIL
Quik-Trim System

FRONT ELEVATION
Quik-Trim System

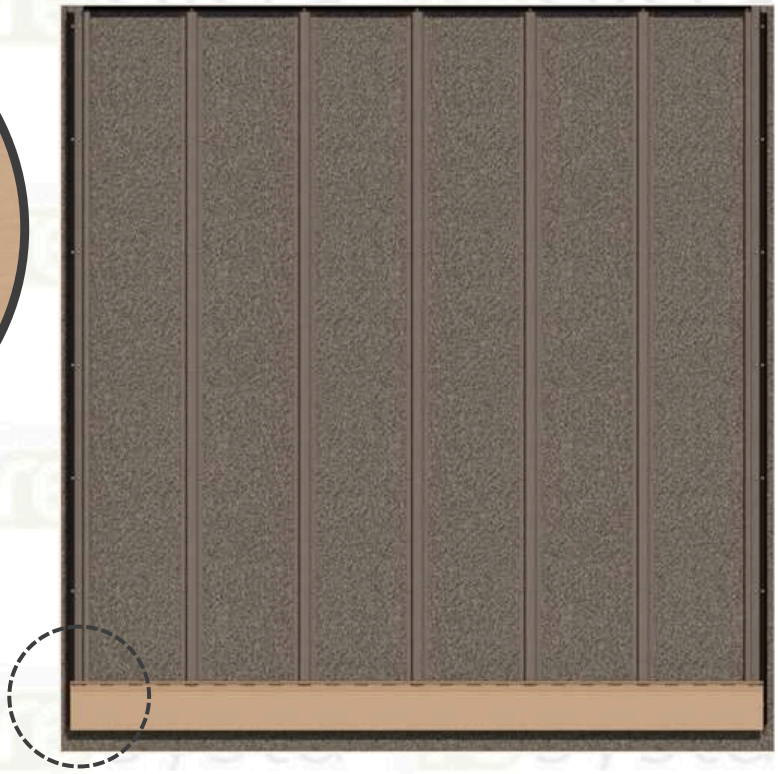
STEP 3.4

Hook the groove end of the first board into the Starter J Strip.

Quik-Trim
PVC base

RESYSTA
Stater J-Strip

RESYSTA Profile (CPH95/ CPH140/ CPH292Siding/ Deco/ Rhombus)



FRONT ELEVATION
Quik-Trim System

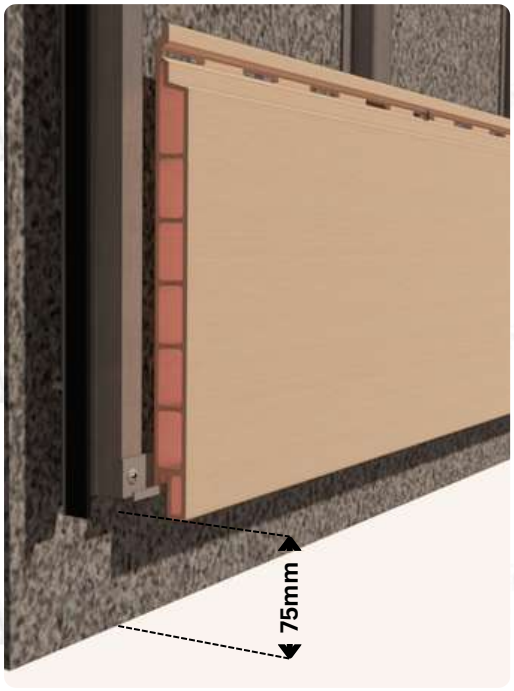
DETAIL 1
Slide down the first Resysta board into Starter J-Strip.

DETAIL 2
Hook the groove end of the first Resysta board into the Starter J-Strip with SS screw.

DETAIL 3
Push the Resysta board perpendicular into the runner and screw direct to the groove.

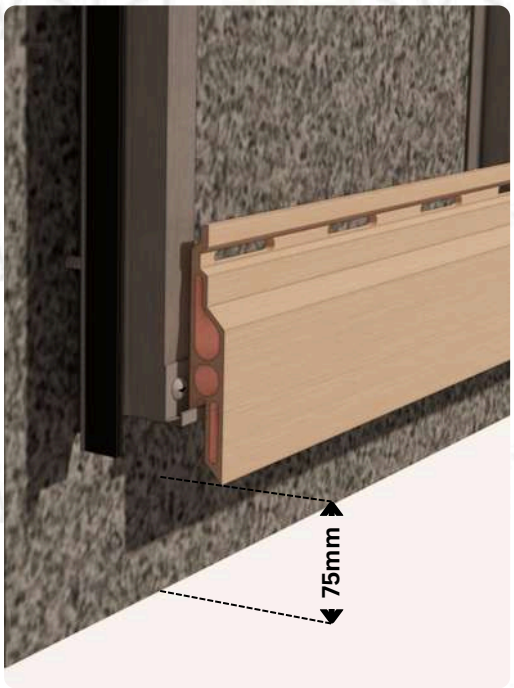
Note:
Secure a minimum 75mm from the ground to the start of the Resysta boards in both horizontal and vertical installation.

CPH95 & CPH140 Siding



CPH292 Siding

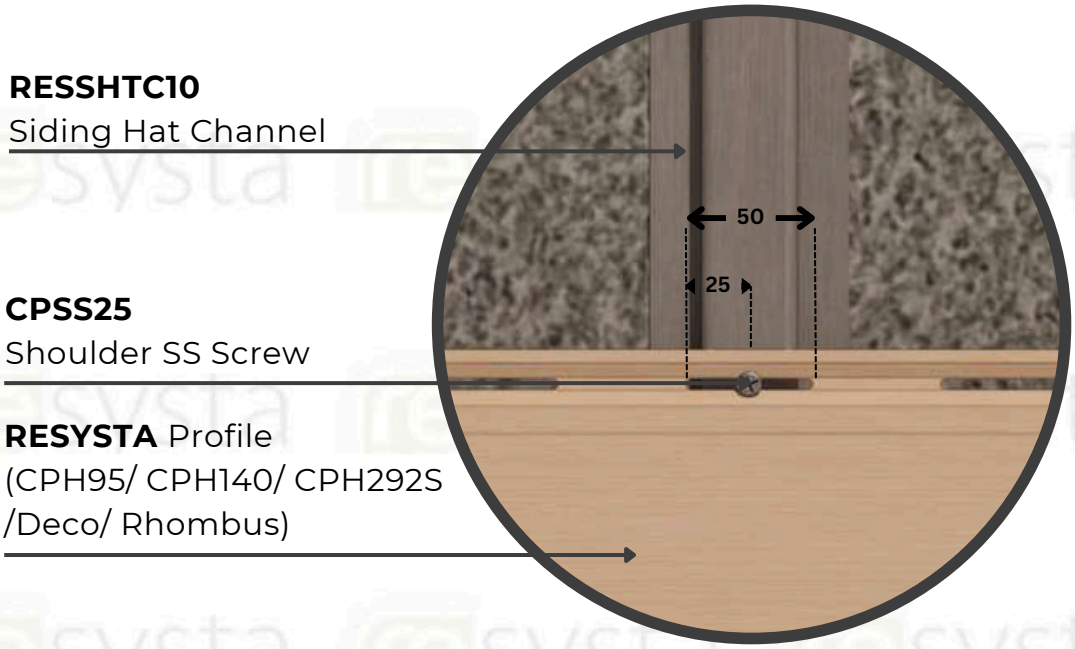
Deco Siding



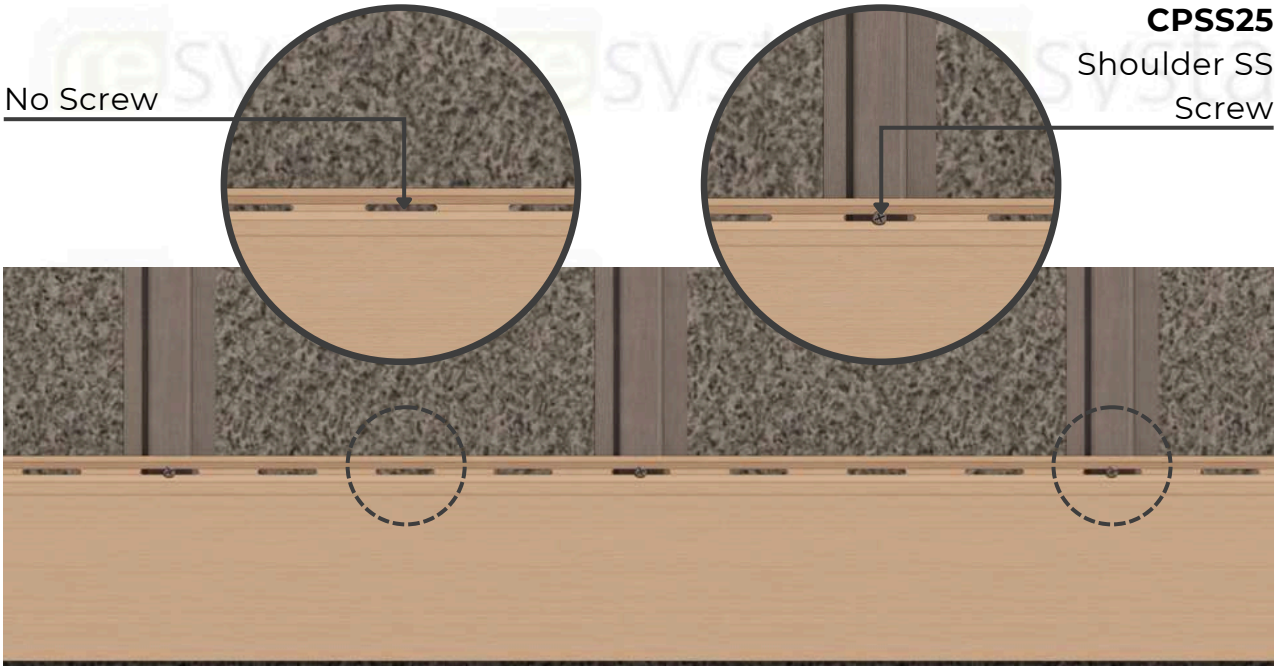
Rhombus Siding

STEP 3.5

Install the shoulder SS screws CPSS25 into all slotted holes except the center hole. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



DETAIL
Quik-Trim System



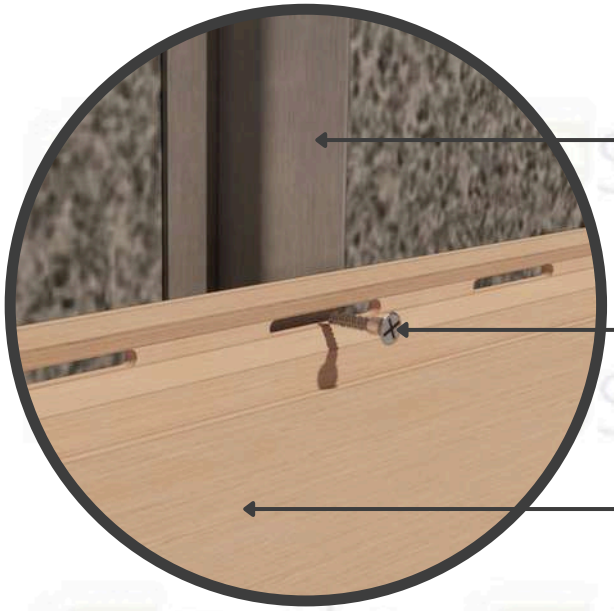
FRONT ELEVATION
Quik-Trim System

Note

If installing more than one board in width, please refer to Section 4 – Horizontal Multi Board Applications

STEP 3.6

Install the final two CPSS25 screws in the slotted hole in the center of the board. This will allow for expansion and contraction evenly to each side of the assembly. Check the instruction pinning location in Section 8.

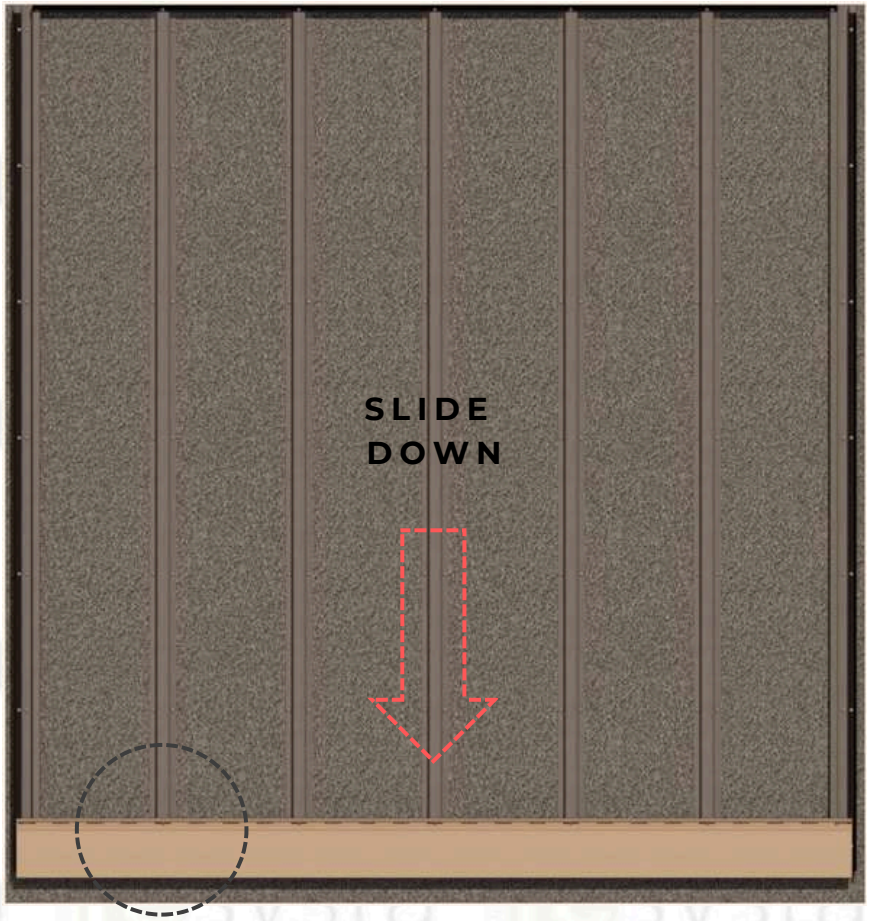


RESSHTC10
Siding Hat Channel

CPSS25
Shoulder SS Screw

RESYSTA Profile
(CPH95/ CPH140/ CPH292/
Deco/ Rhombus)

DETAIL
Quik-Trim
System

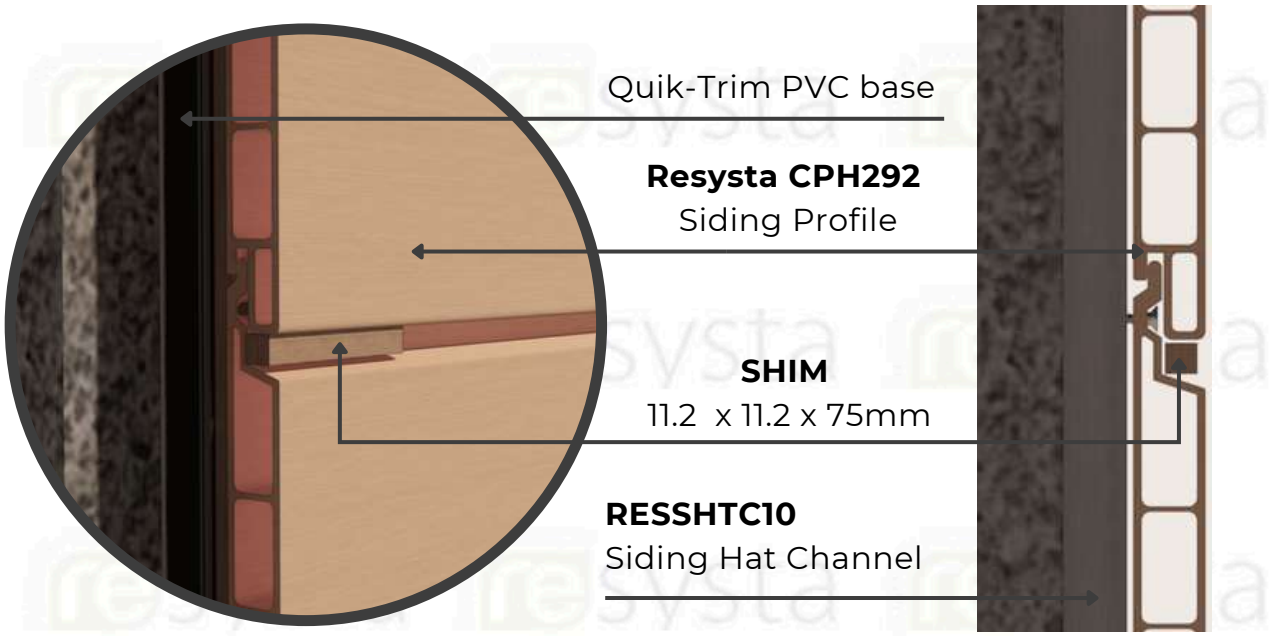


FRONT ELEVATION
Quik-Trim System

Special Step for CPH292 and DECO Siding only

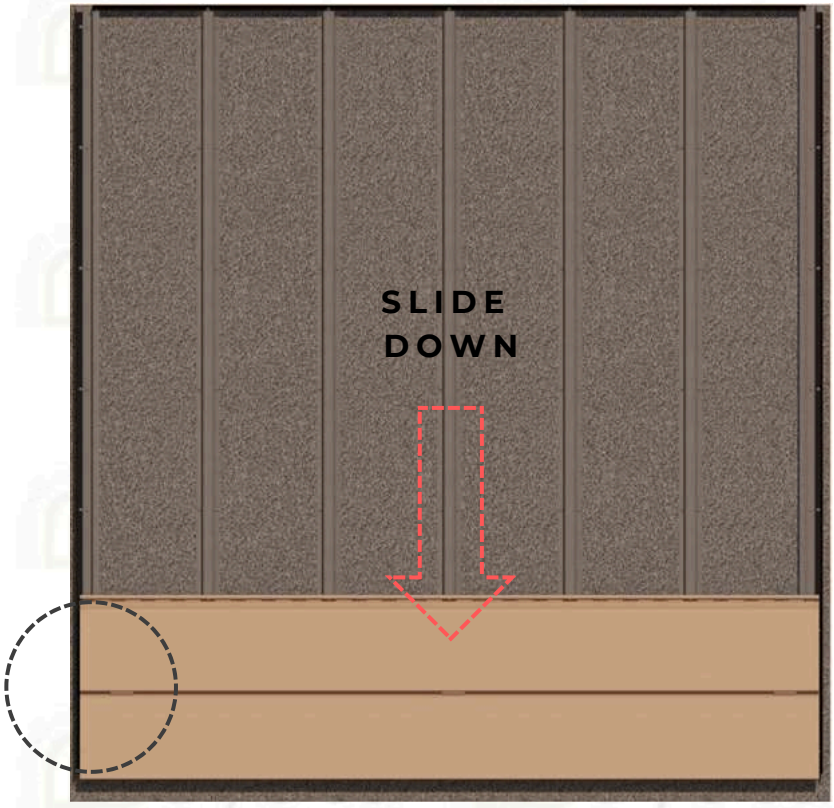
CPH292 Siding

For the installation of the second board, slide it down and place a shim measuring 11.2 X 11.2 X 75mm in between the boards to maintain a consistent gap. Be sure to remove all the shims after the siding installation is complete.



DETAIL
Quik-Trim System

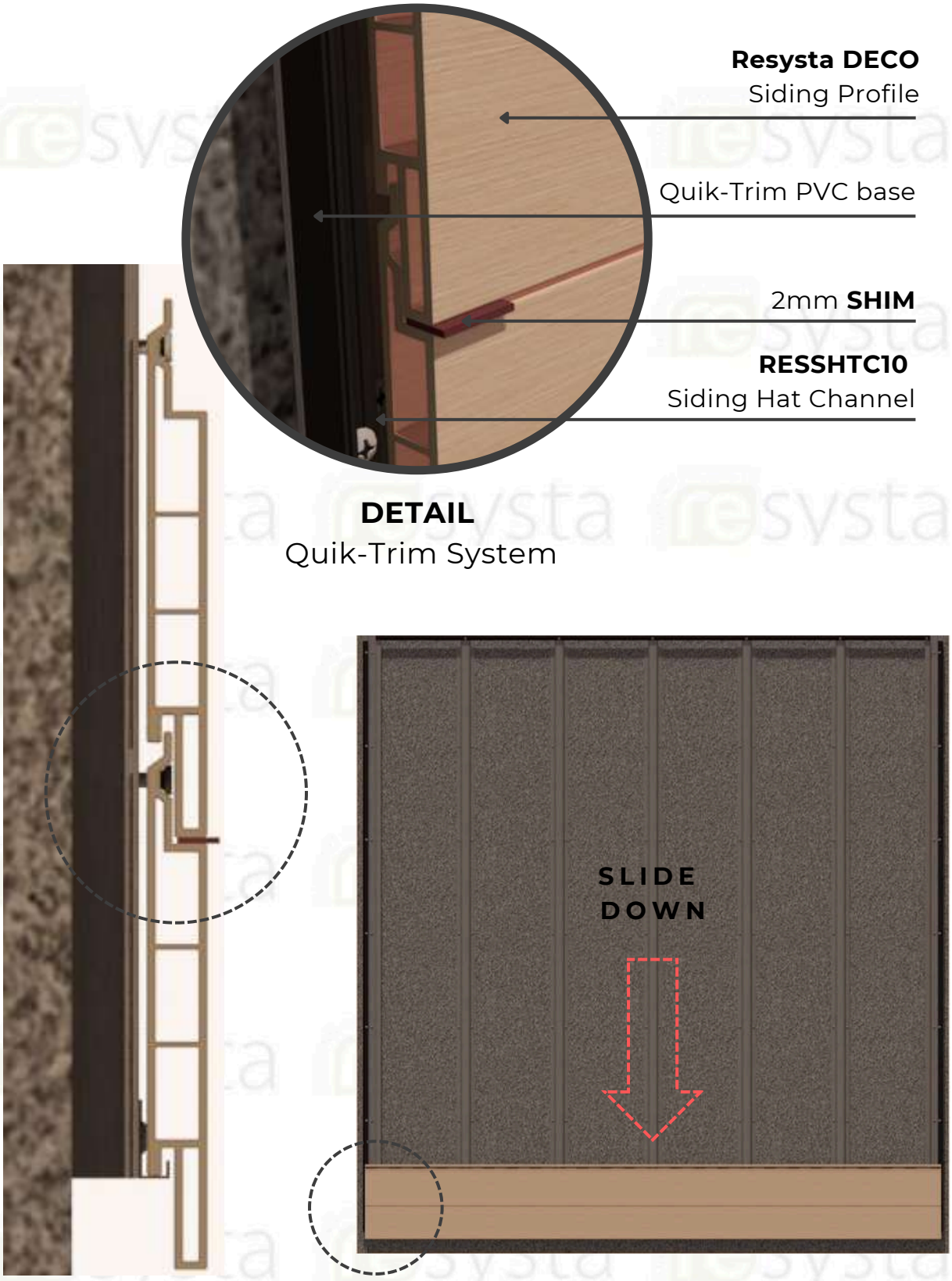
SECTION
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

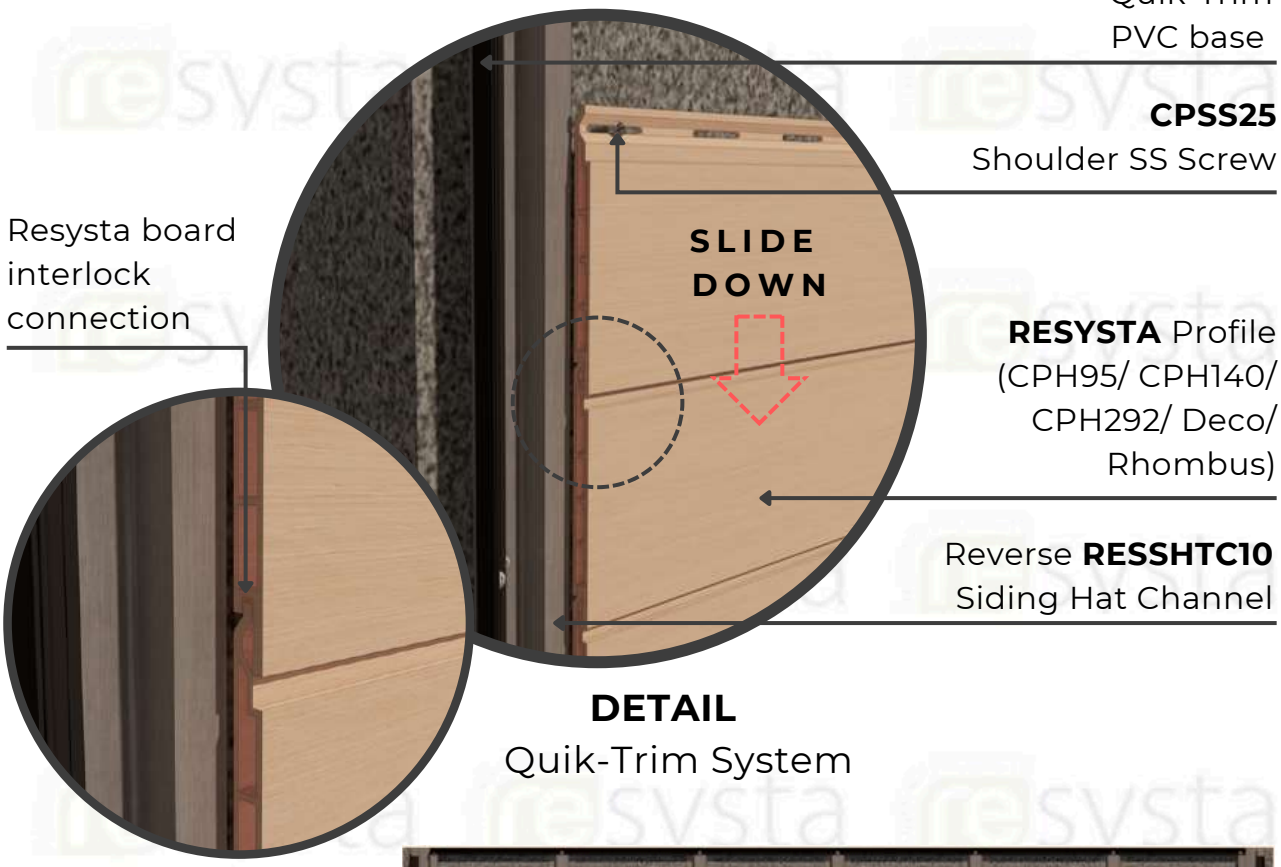
DECO Siding

For the installation of the second board, slide it down and place a 2mm shim in between the boards to maintain a consistent gap. Be sure to remove all the shims after the siding installation is complete.

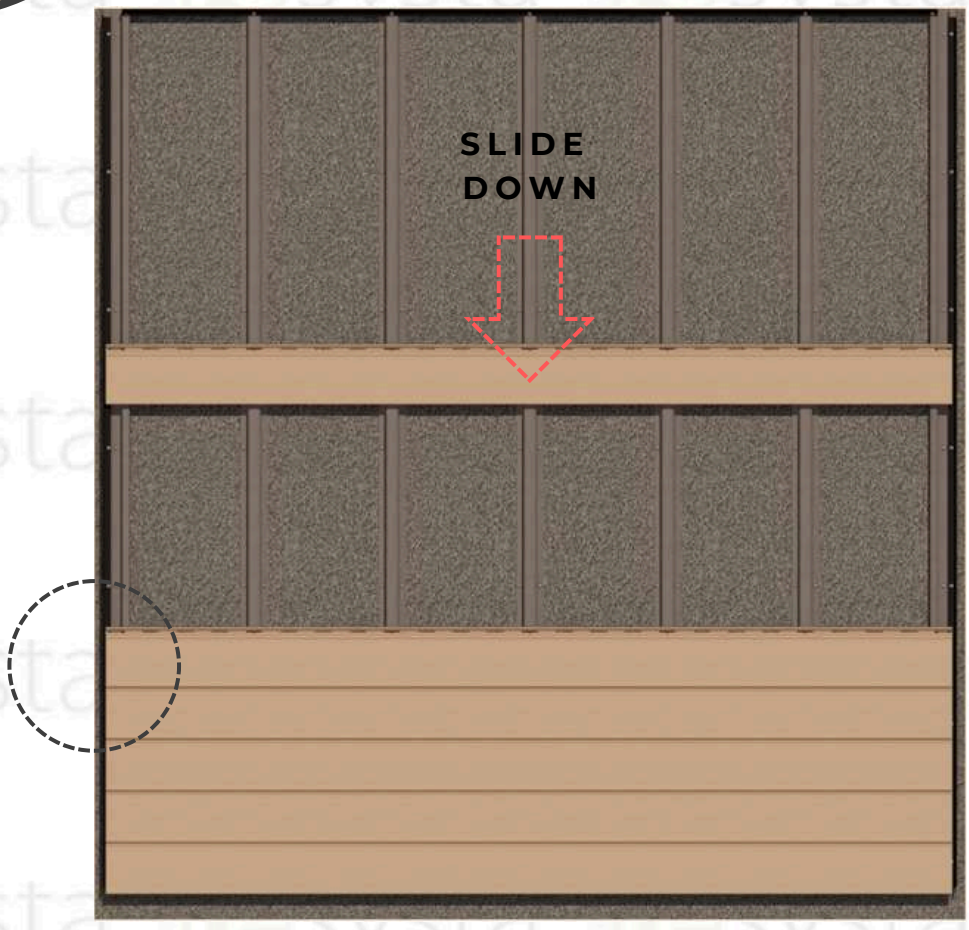


DETAIL
Quik-Trim System

FRONT ELEVATION
Quik-Trim System



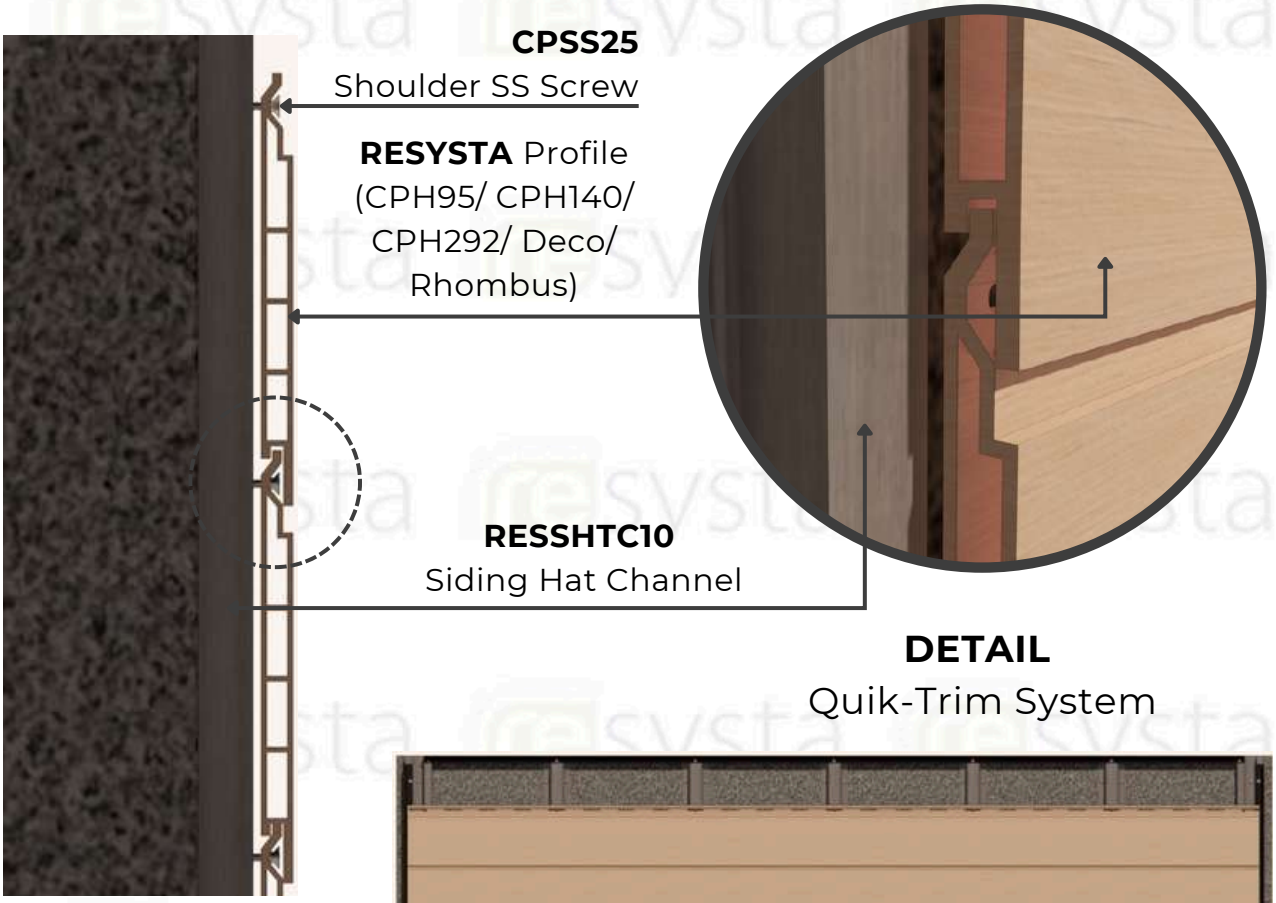
DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 3.7

Hook the groove end of the next board onto the tongue of the installed board.



SECTION
Quik-Trim System

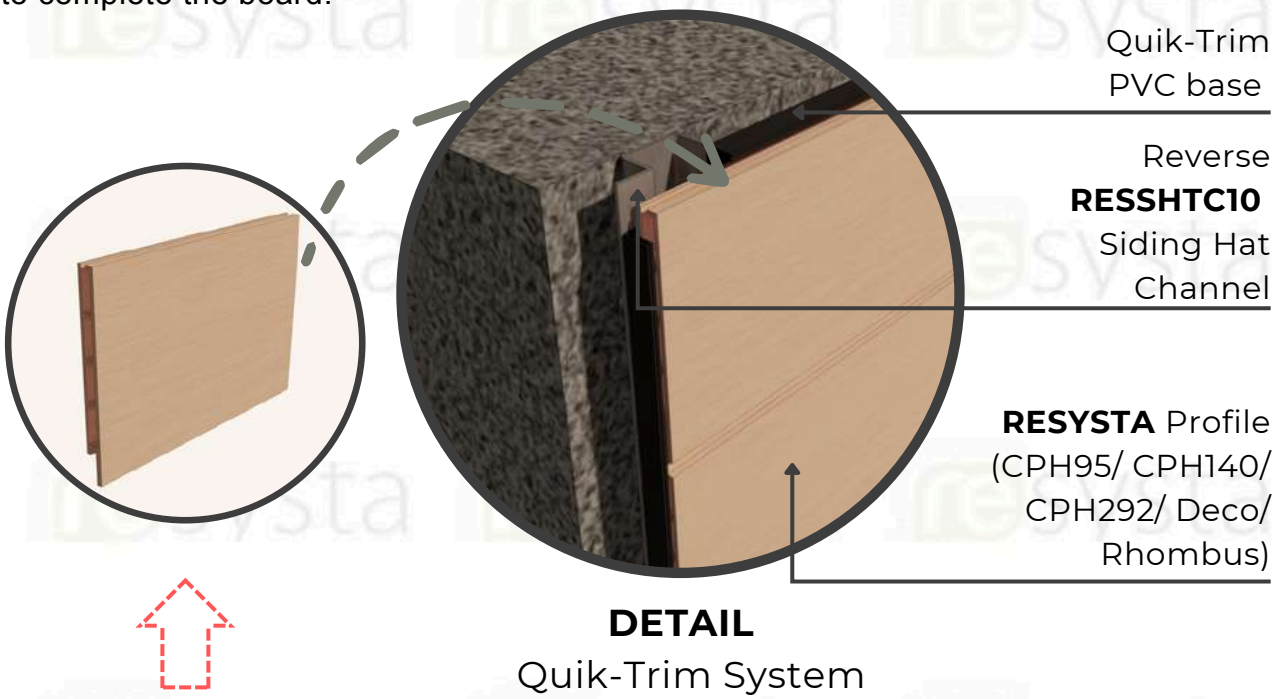
DETAIL
Quik-Trim System

DETAIL
Quik-Trim System

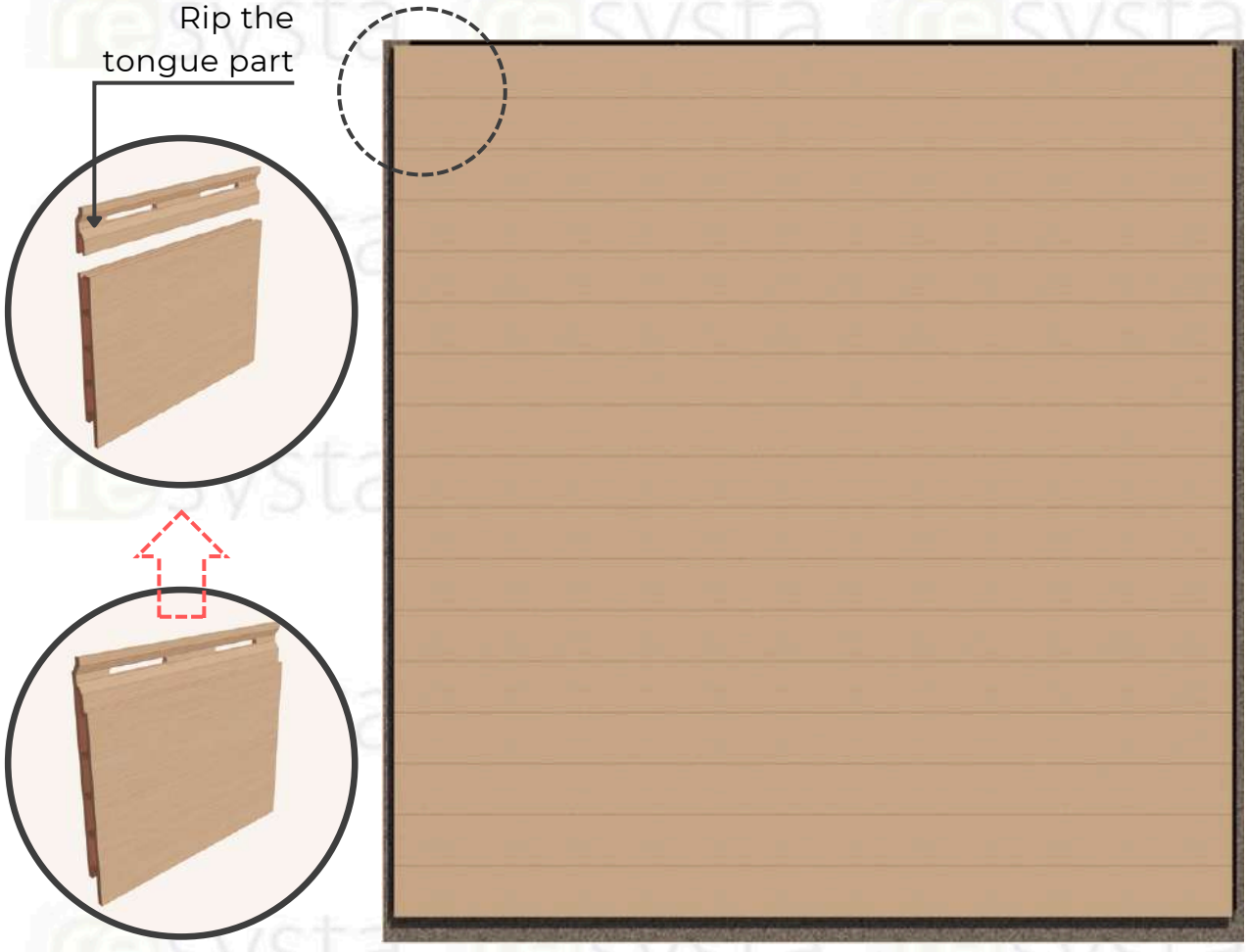
FRONT ELEVATION
Quik-Trim System

STEP 3.8

Continue installing boards as outlined in Section 3. Rip the last siding board into size to complete the board.



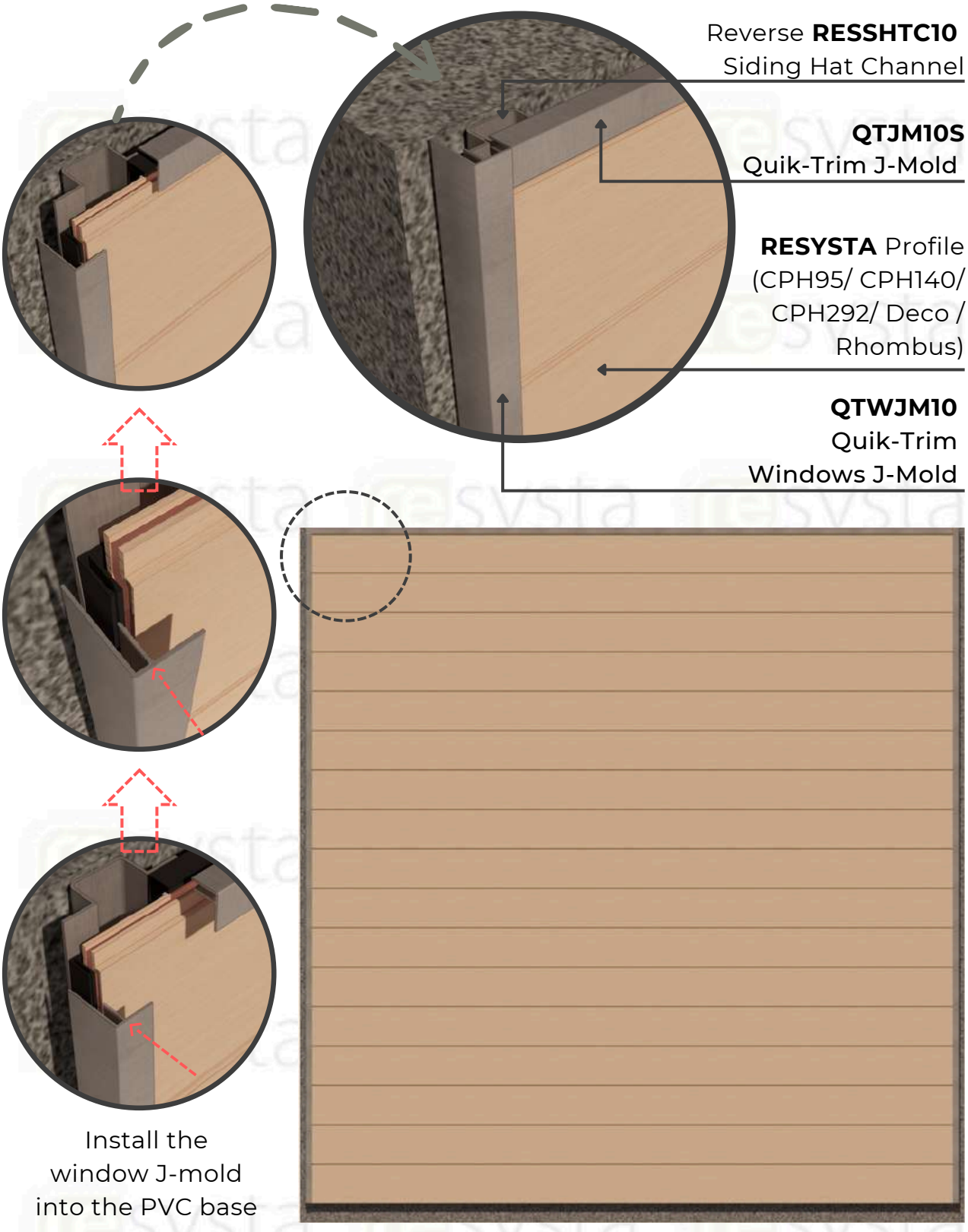
DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 3.9

After the installation of the last Resysta board, the exposed board edges will be finished by installing the aluminum Quik-Trim. And finally, install the window J-mold into the PVC base on the sides and J-mold into the top most part.



FRONT ELEVATION
Quik-Trim System

SECTION 4 – Multi-Board Horizontal Board Applications

2 Board Wide Installation without the Aluminum Quik-Trim H-mold (5800mm max width)

STEP 4.1.1

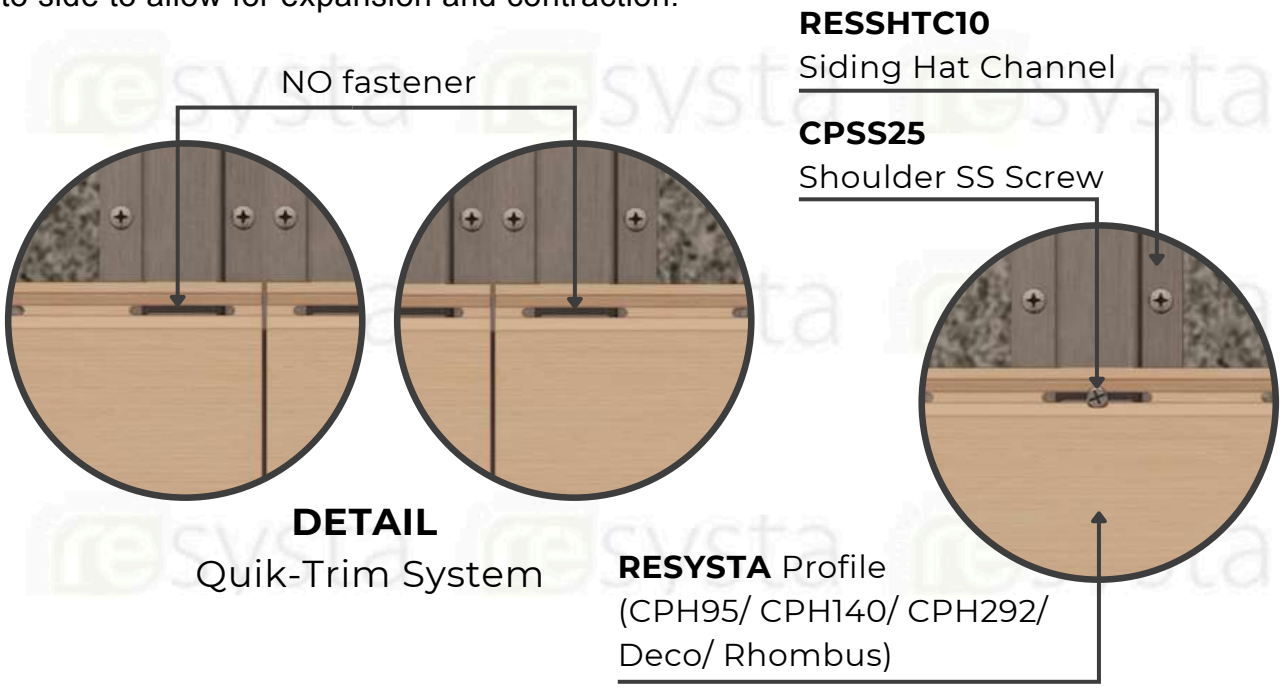
Ensure that two battens have been installed where boards are to be installed end to end.

STEP 4.1.2

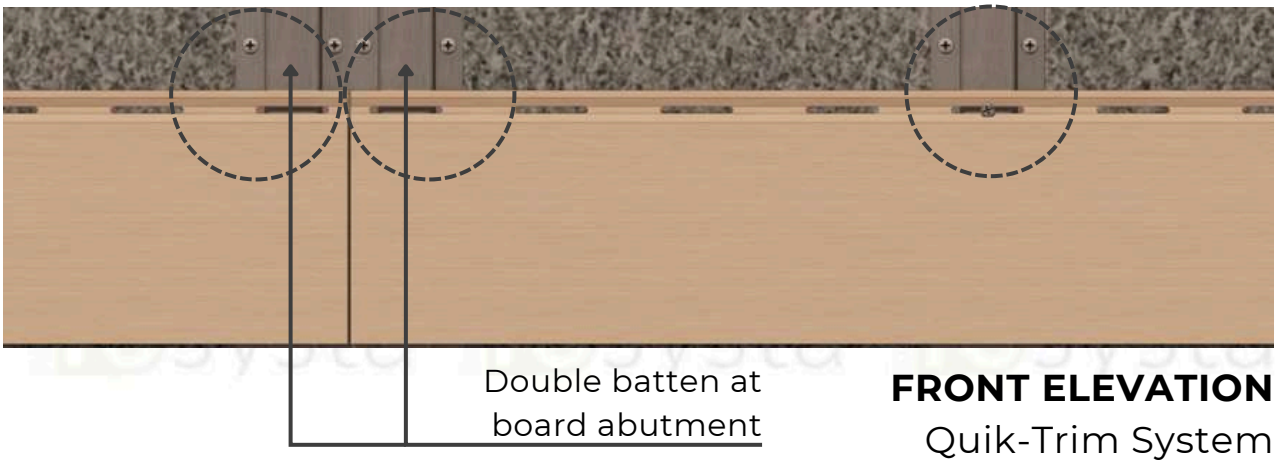
Follow Steps 3.1, 3.2, and 3.3 from Section 3 to install the finishing trim, starter J-strip, and hook in the 1st board.

STEP 4.1.3

Install CPSS25 screws into all slotted holes except the hole closest to the abutted joint on both boards. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



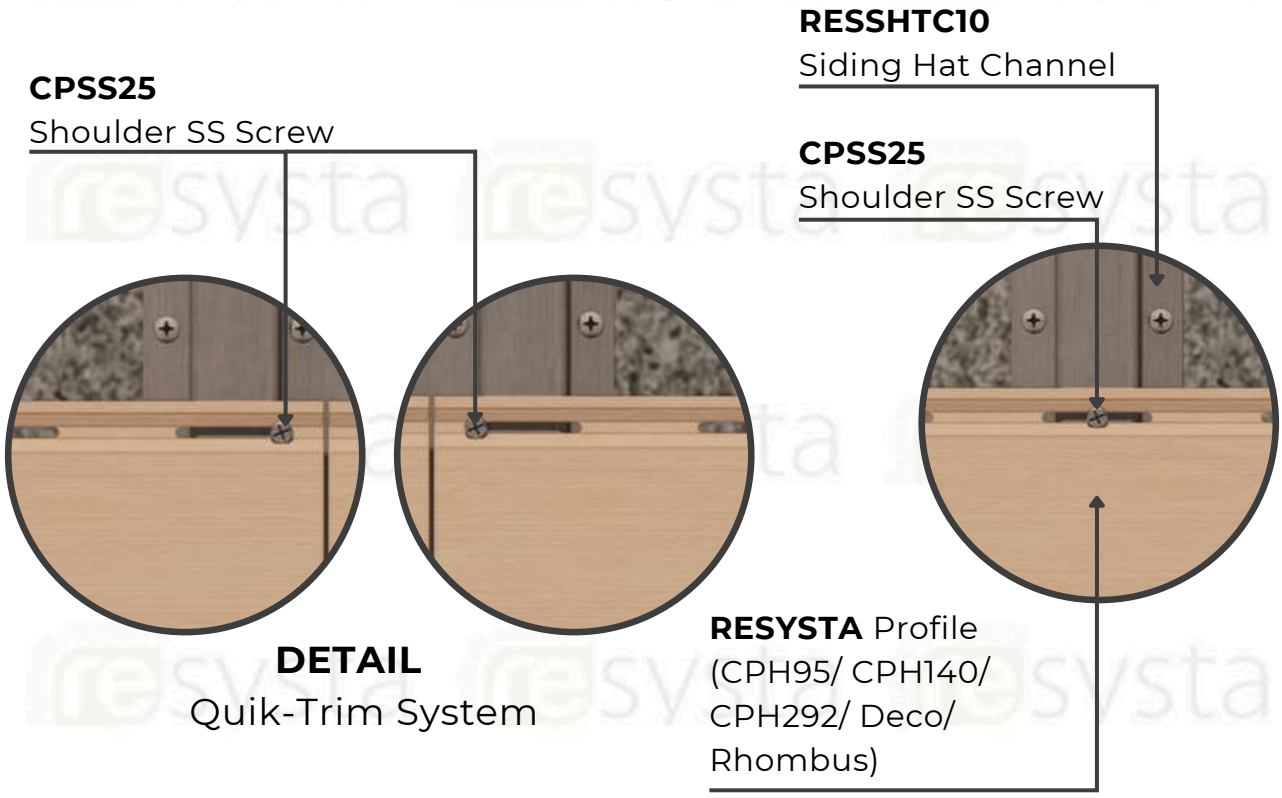
DETAIL
Quik-Trim System



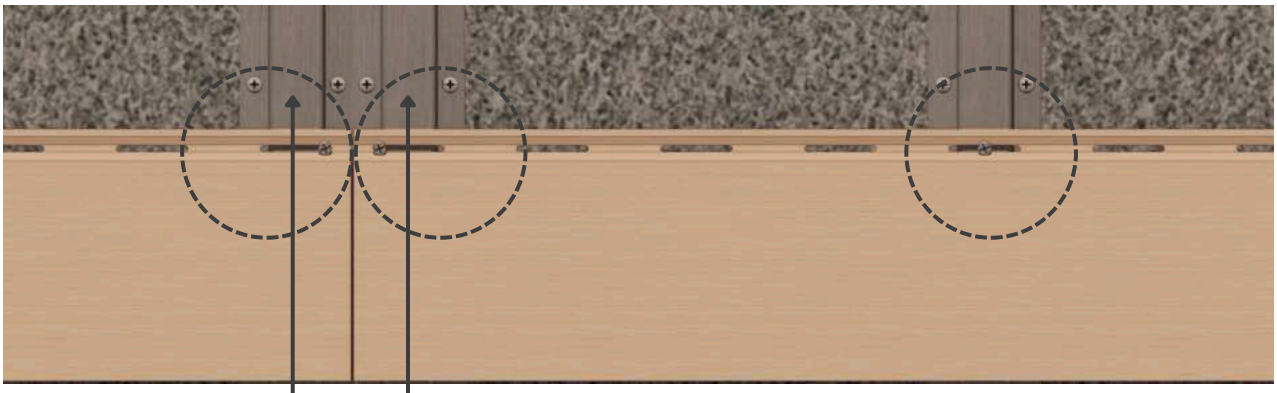
FRONT ELEVATION
Quik-Trim System

STEP 4.1.4

Install one CPSS25 screw in the slotted hole closest to the abutted joint on both boards. This will control expansion and contraction evenly to the outside of the boards while keeping the abutting joint snug.



DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 4.1.5

Hook the groove end of the next board onto the tongue of the installed board.

STEP 4.1.6

Continue installing boards as outlined in Section 4: “2 Board Wide Installation without the Aluminum Quik-Trim H-mold” and follow steps 3.8 and 3.9 in Section 3 to finish the installation.

Multi-Board Wide Installation using Continuous Aluminum Quik-Trim H-mold

STEP 4.2.1

Follow Steps 3.1, 3.2 and 3.3 from Section 3.

STEP 4.2.2

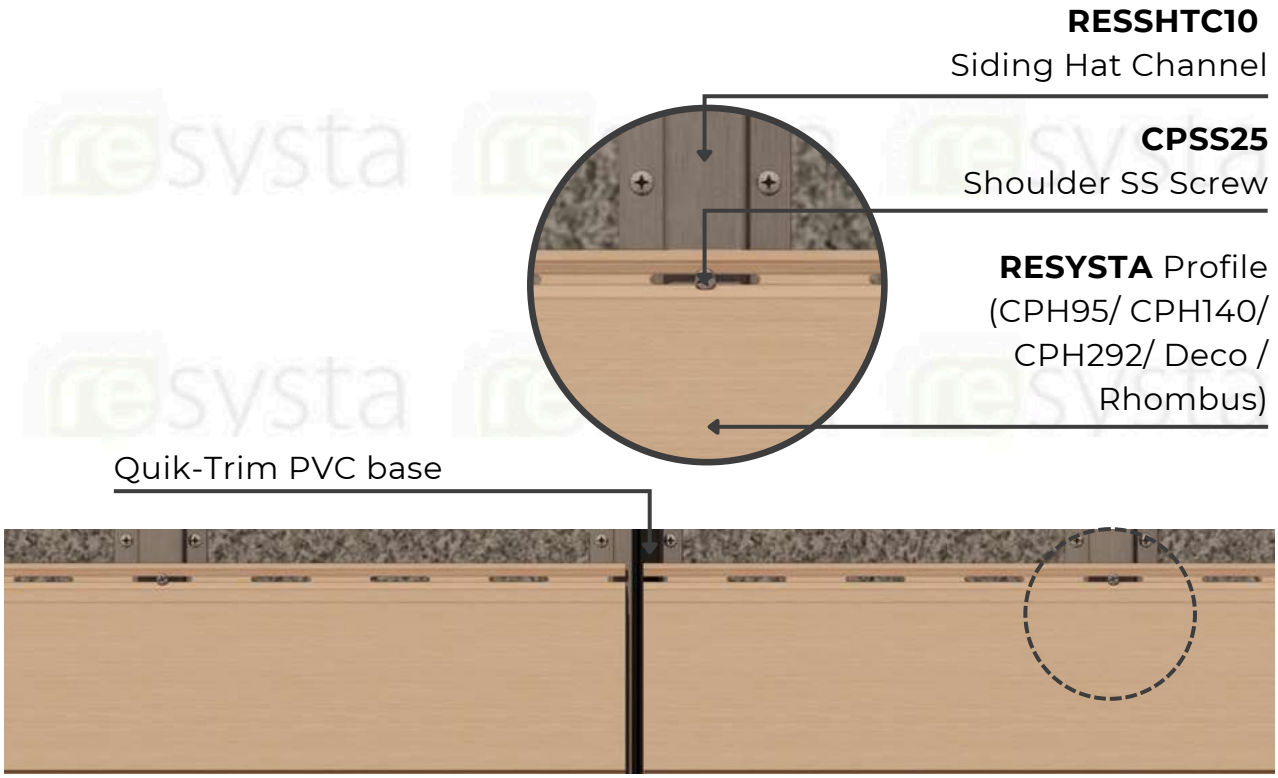
Install the Quik-Trim PVC base into the hat channel where the aluminum Quik-Trim H-mold will be installed.

DETAIL
Quik-Trim System

FRONT ELEVATION
Quik-Trim System

STEP 4.2.3

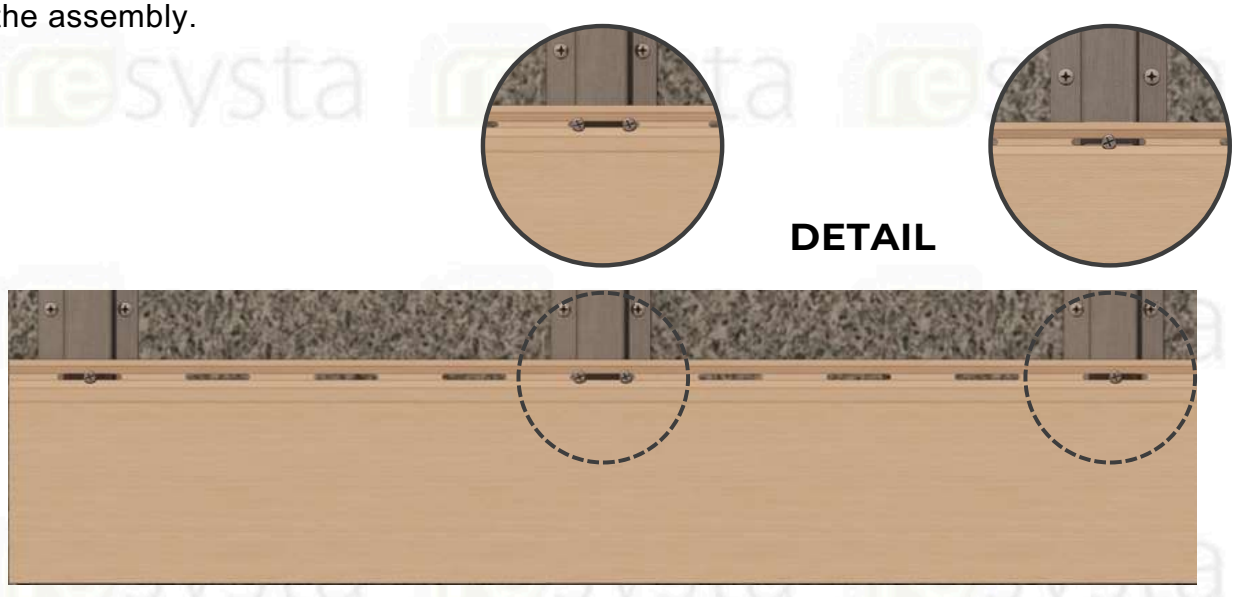
Follow steps 3.4, 3.5, and 3.6 of Section 3 and install CPSS25 screws or #8 screws into all slotted holes except the center hole. DO NOT over-tighten the screws. The screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely from side to side to allow for expansion and contraction.



FRONT ELEVATION
Quik-Trim System

STEP 4.2.4

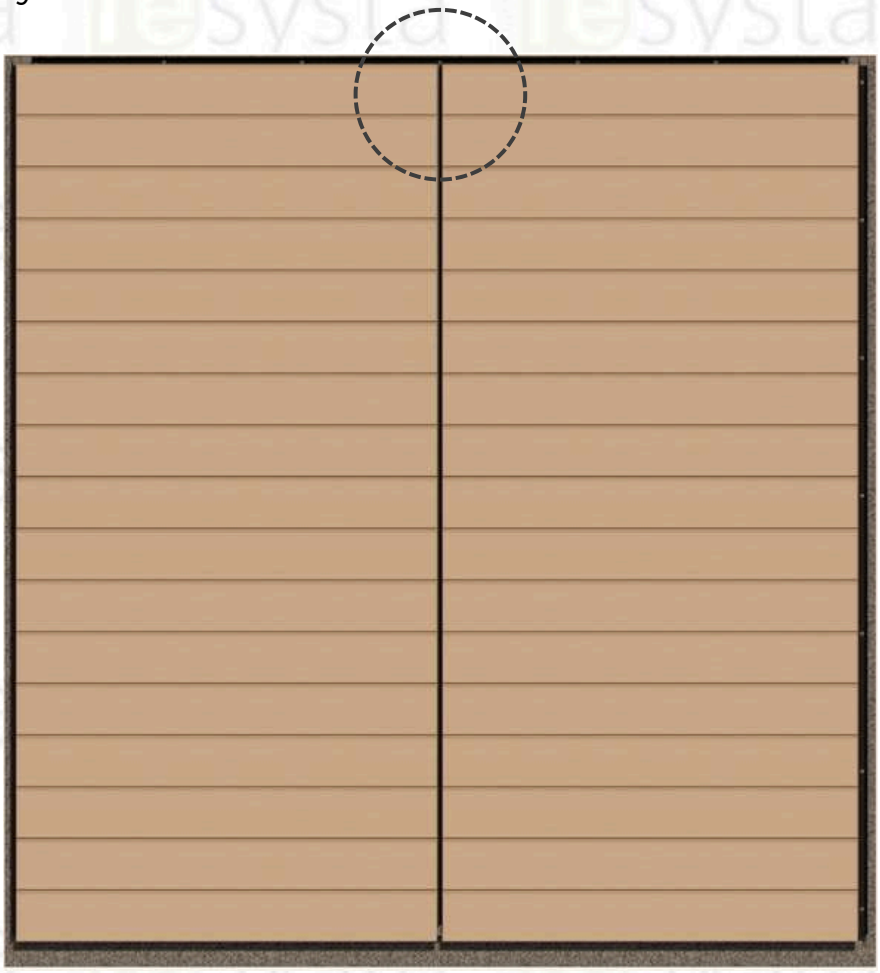
Install the final two CPSS25 screws closest to the ends in the slotted hole in the center of the board. This will allow for expansion and contraction evenly to each side of the assembly.



DETAIL

FRONT ELEVATION
Quik-Trim System

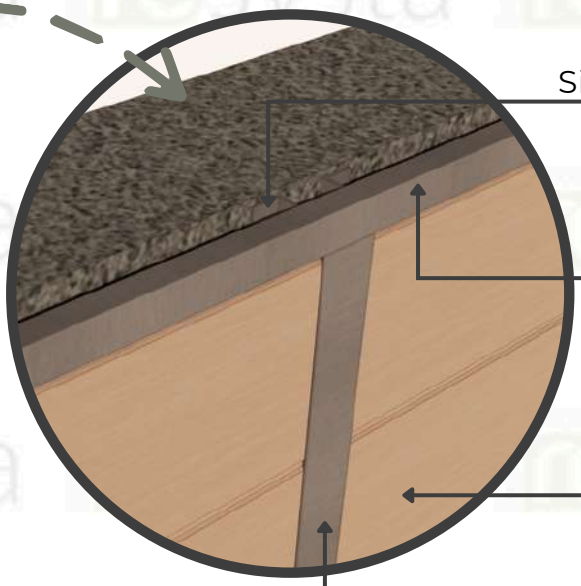
DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 4.2.5

After the installation of the last board, finally install all the aluminum trim on the PVC base to finish the installation.

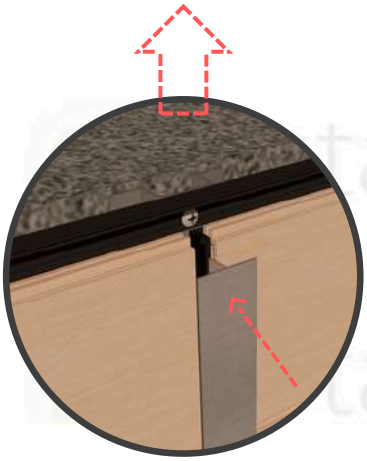


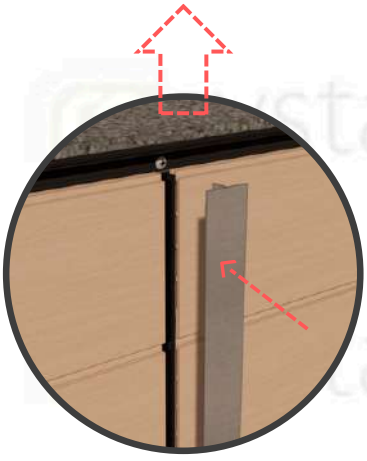
RESSHTC10
Siding Hat Channel

QTJM10
Quik-Trim J-Mold

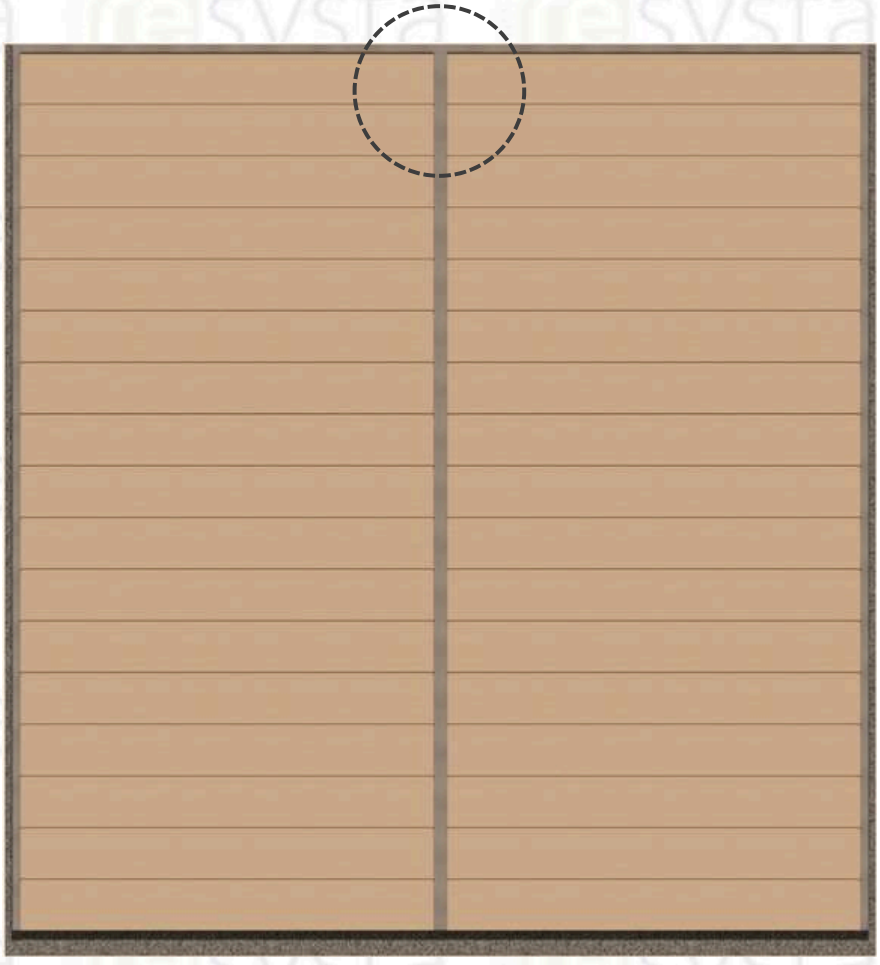
RESYSTA Profile
(CPH95/ CPH140/
CPH292/ Deco/
Rhombus)

QTHM10
Quik-Trim H-Mold





Install the
H-mold into the
PVC base



FRONT ELEVATION
Quik-Trim System

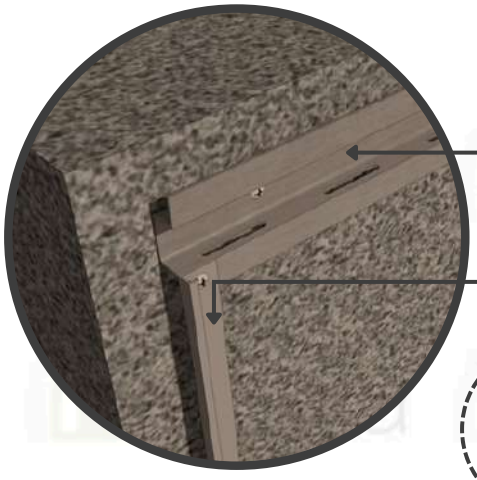
SECTION 5 – Vertical Board Applications

STEP 5.1

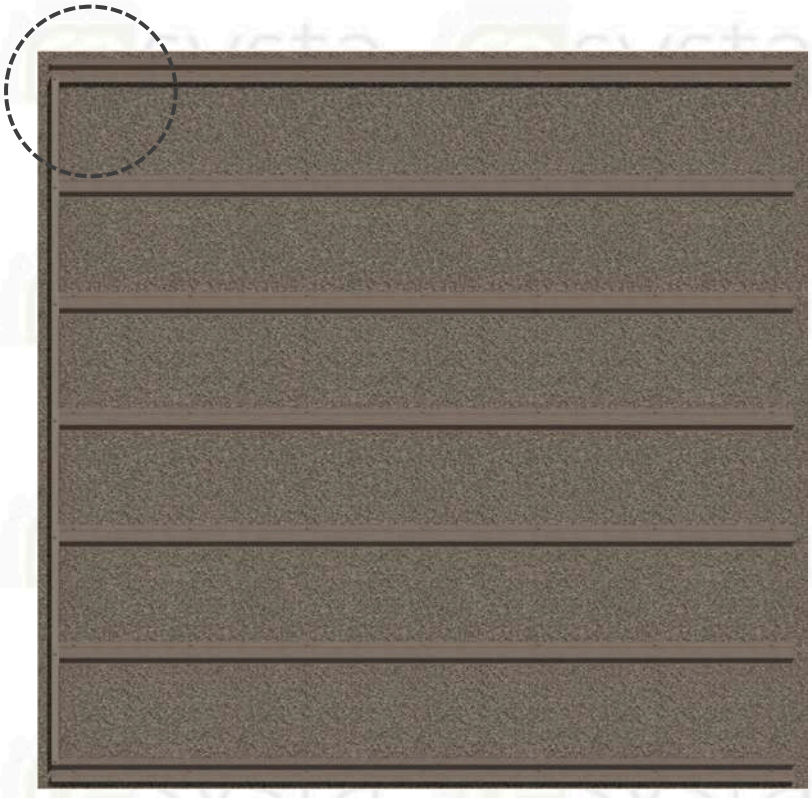
Pre-apply the Quik-Trim PVC base for all finishing trim accessories such as quik-trim around corners, windows, and doors according to the pre-plan layout and following the manufacturer's recommendations. Ensure that all trim is level and square. Battens should be installed horizontally with punched holes.

STEP 5.2

A starter J-strip is required to install the Resysta board. Attach the starter strip vertically at one end of the batten substructure following the fastener and spacing recommendations in Section 2. The Resysta boards will hang 12.5mm beyond the starter strip therefore the starter strip should be attached accordingly per the pre-plan layout. If the siding is starting in a corner the corner attachment and the starter J-strip should be attached at the same time.



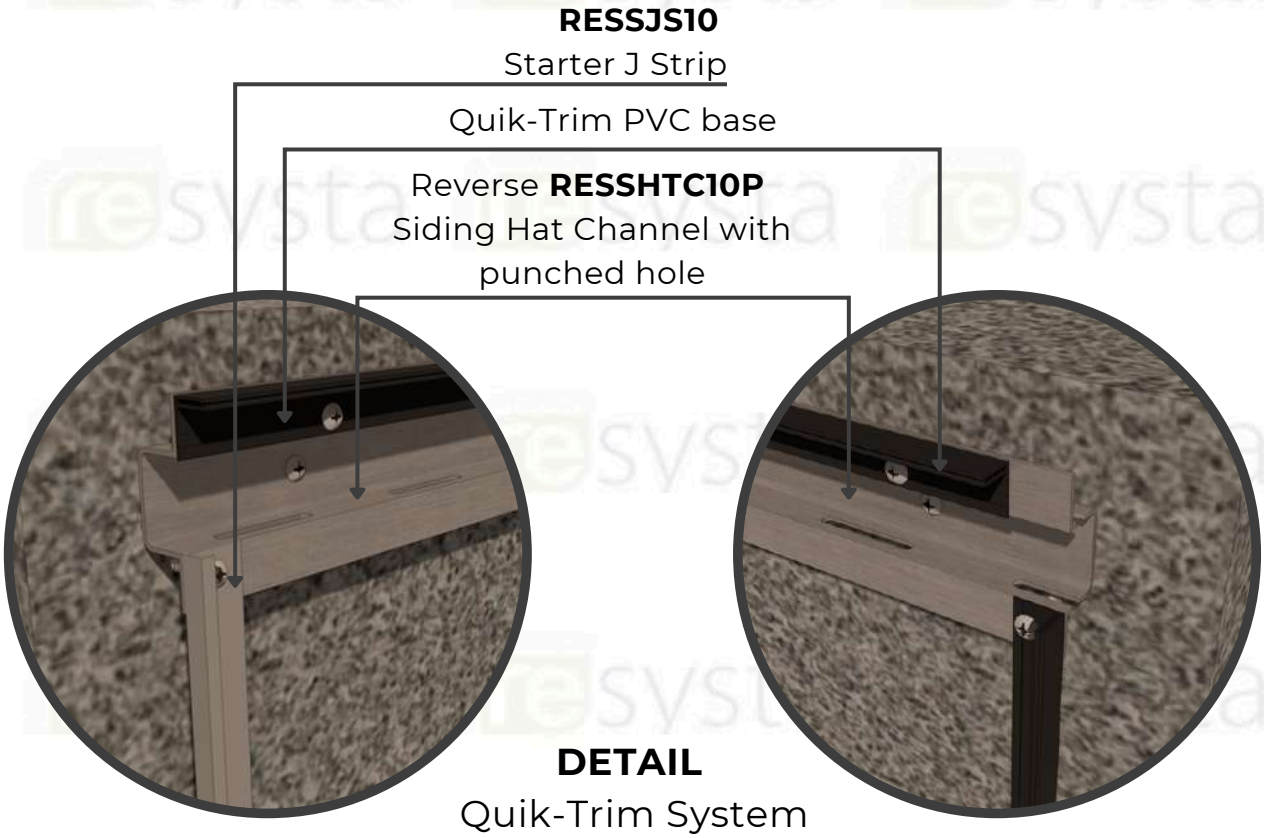
DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System

STEP 5.3

The Quik-Trim PVC base should be installed at every end of the reverse hat channel and on side of all the hat channels, by screwing on the PVC base on its groove.



DETAIL
Quik-Trim System

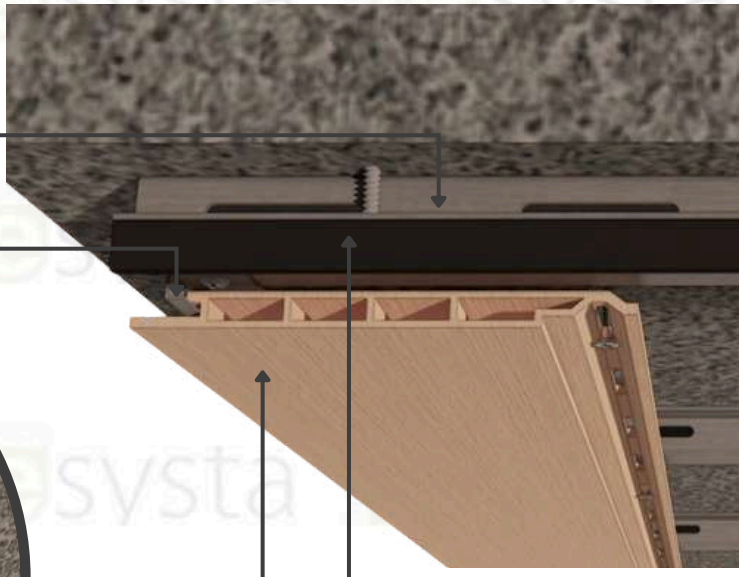
FRONT ELEVATION
Quik-Trim System

STEP 5.4

Hook the groove end of the first board into the starter J-strip vertically.

Reverse **RESSHTC10P**
Siding Hat Channel with
punched hole

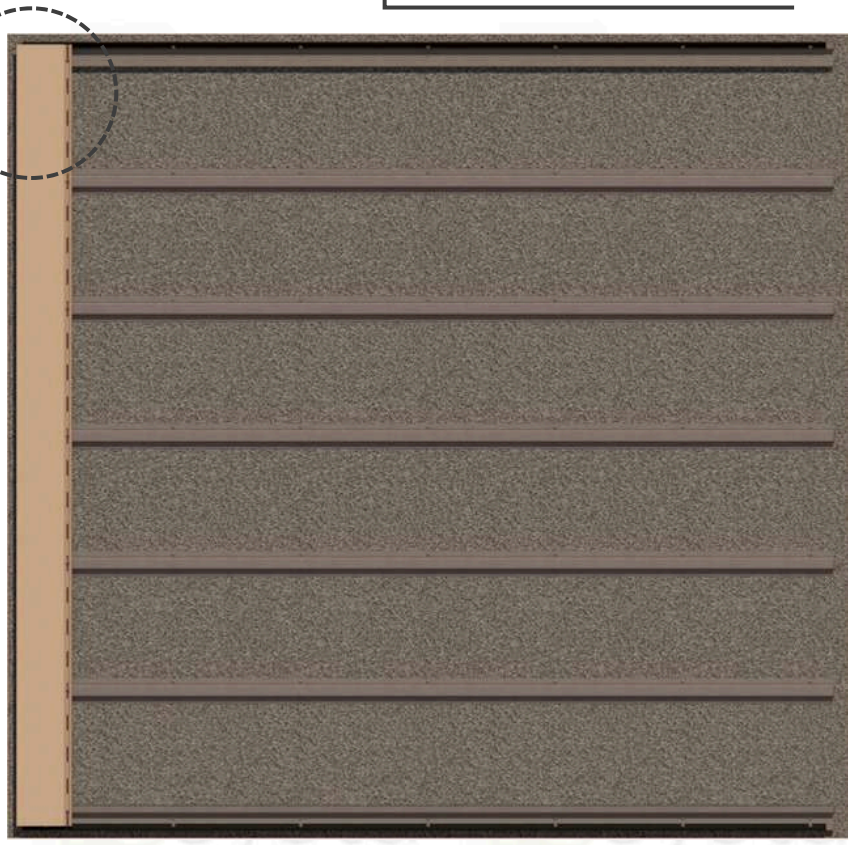
RESSJS10
Starter J Strip



Quik-Trim
PVC base

RESYSTA Profile
(CPH95/ CPH140/
CPH292/ Deco/
Rhombus)

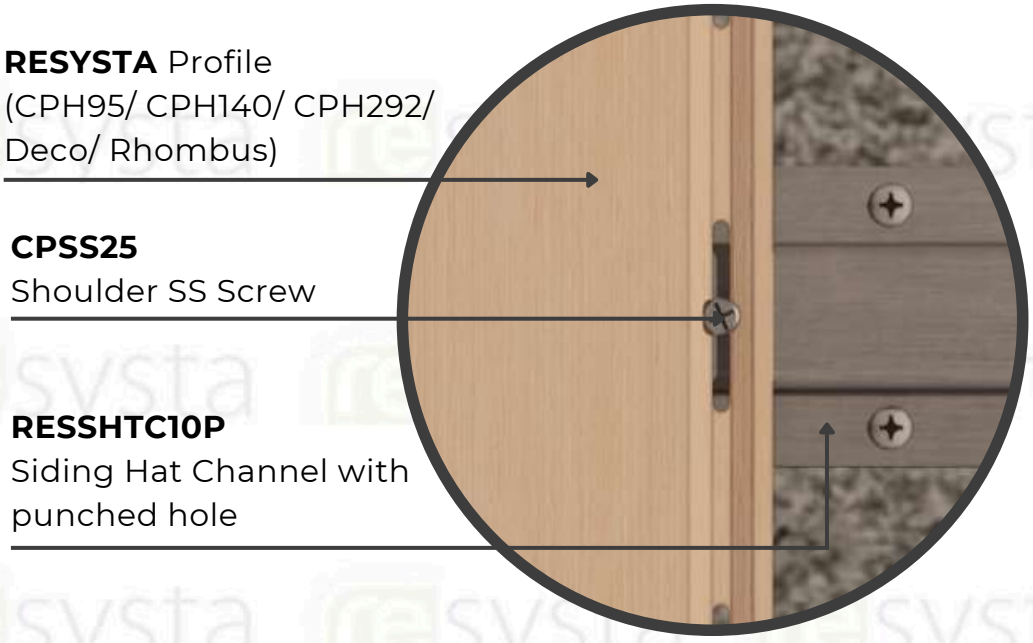
DETAIL
Quik-Trim System



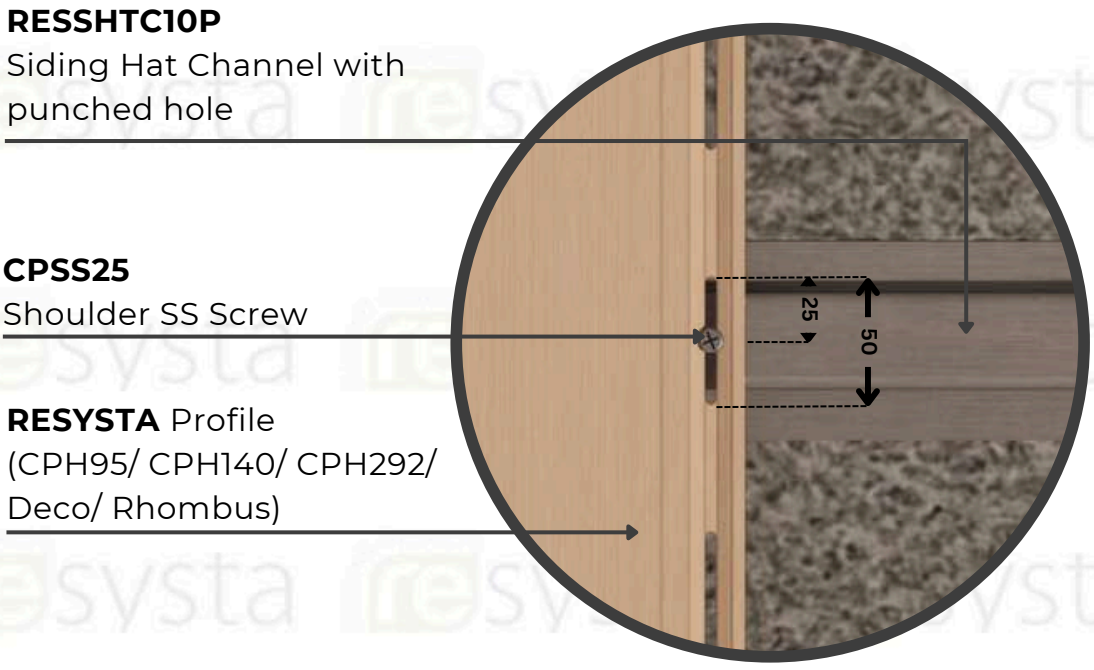
FRONT ELEVATION
Quik-Trim System

STEP 5.5

Continuously install the board vertically and install a CPSS25 screw or a #8 screw into the slotted hole at the top of the board. DO NOT over-tighten this screw. This screw should be placed at the top of the slotted hole and loose enough to allow the board to move freely in the vertical direction allowing for expansion and contraction.



DETAIL
Quik-Trim System



DETAIL
Quik-Trim System

Special Requirement

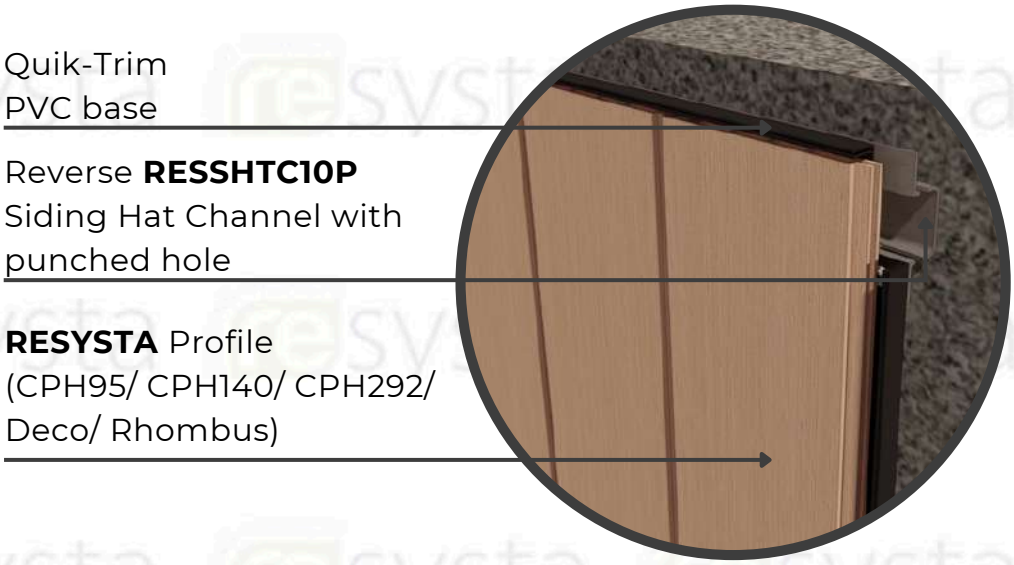
By following these installation guides for vertical installation methods ALL expansion and contraction will happen at the bottom of the board. Gap the bottom of the board properly based on installation needs.

Note

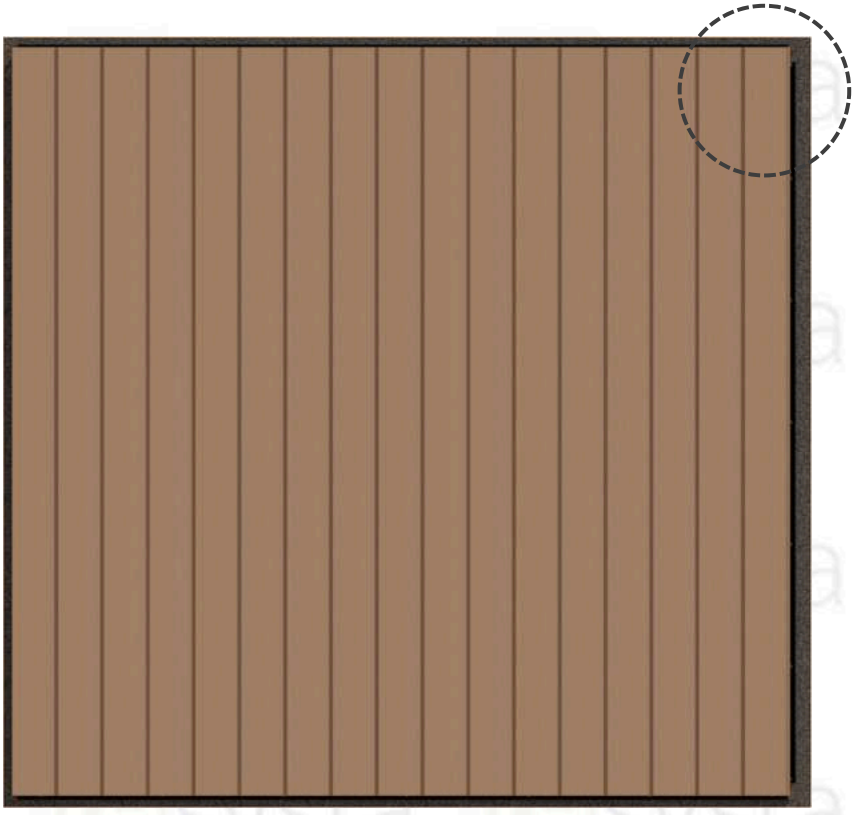
If installing more than one board in height, please refer to Section 6 – Vertical Multi-Board Applications

STEP 5.6

Continue installing boards vertically as outlined in Section 5 until the last board is installed.



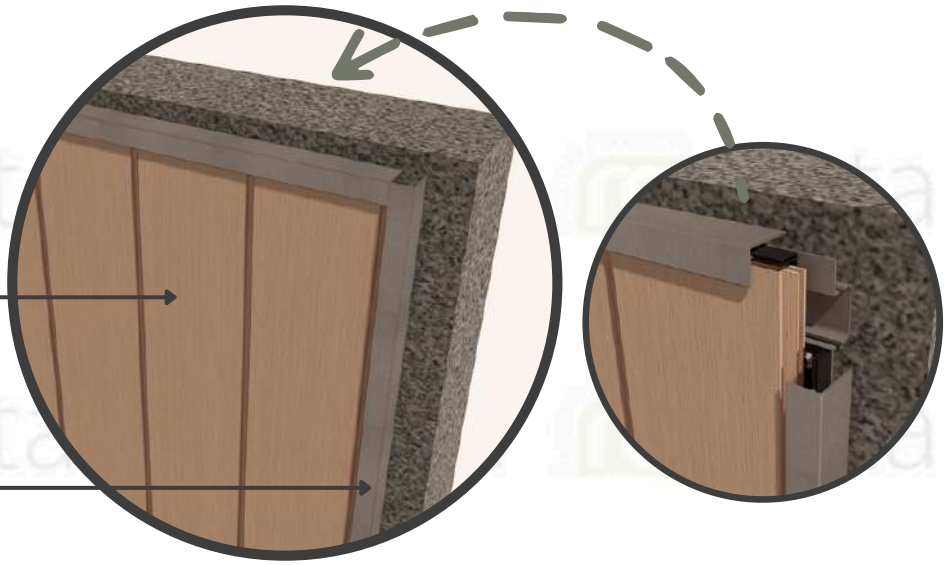
DETAIL
Quik-Trim System



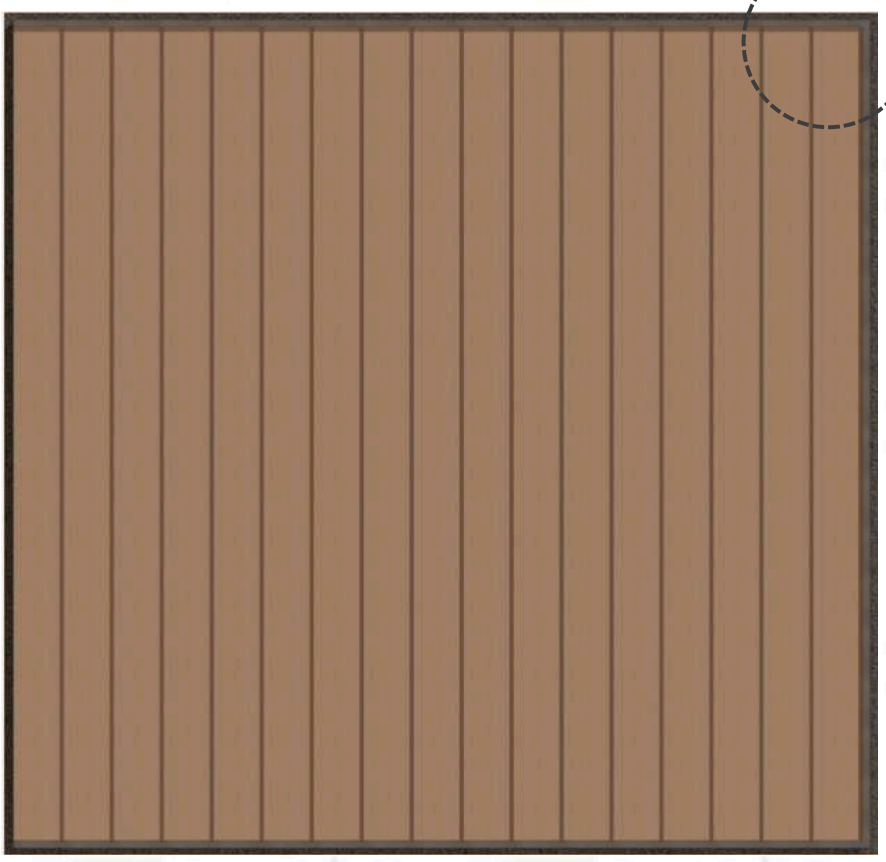
FRONT ELEVATION
Quik-Trim System

STEP 5.7

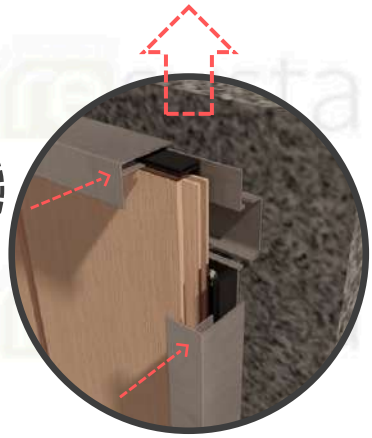
After the installation of the last vertical board, finally install on all the aluminum trim on the PVC base to finish the installation.

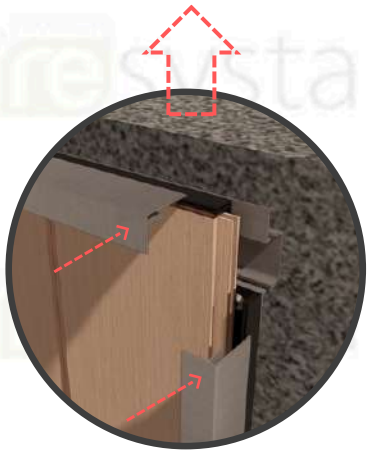


DETAIL
Quik-Trim System



FRONT ELEVATION
Quik-Trim System





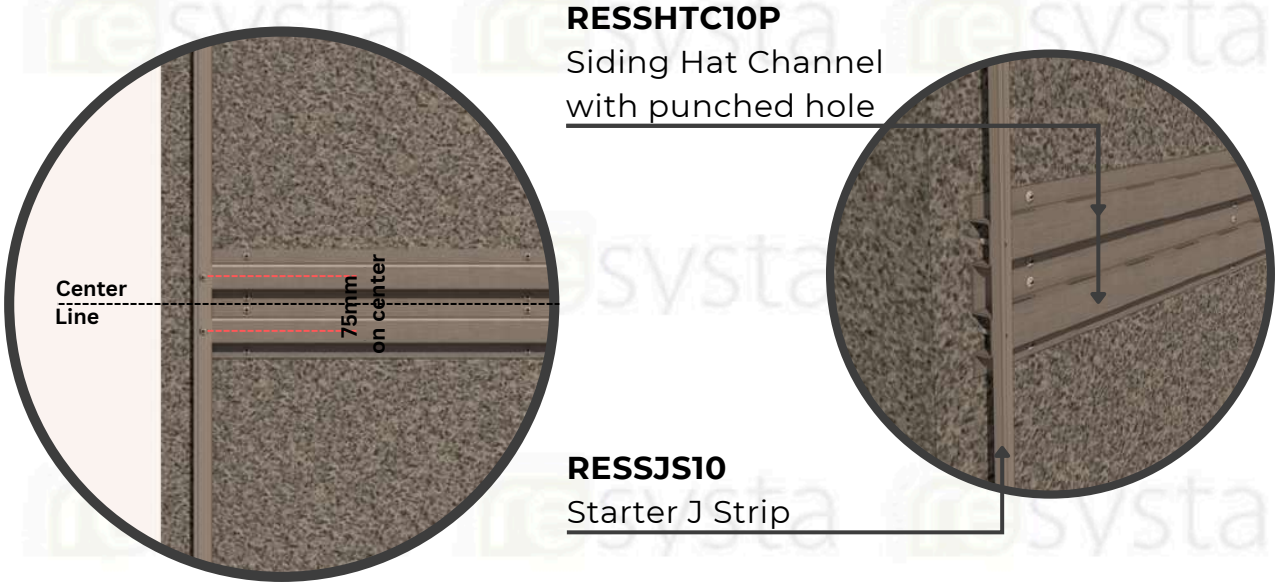
Install the window J-mold into the PVC base

SECTION 6 – Multi-Board Vertical Board Applications

2 Board High Installation without the Aluminum Quik-Trim H-mold

STEPS 6.1.1

Ensure that two battens have been installed horizontally where boards are to be installed end to end.

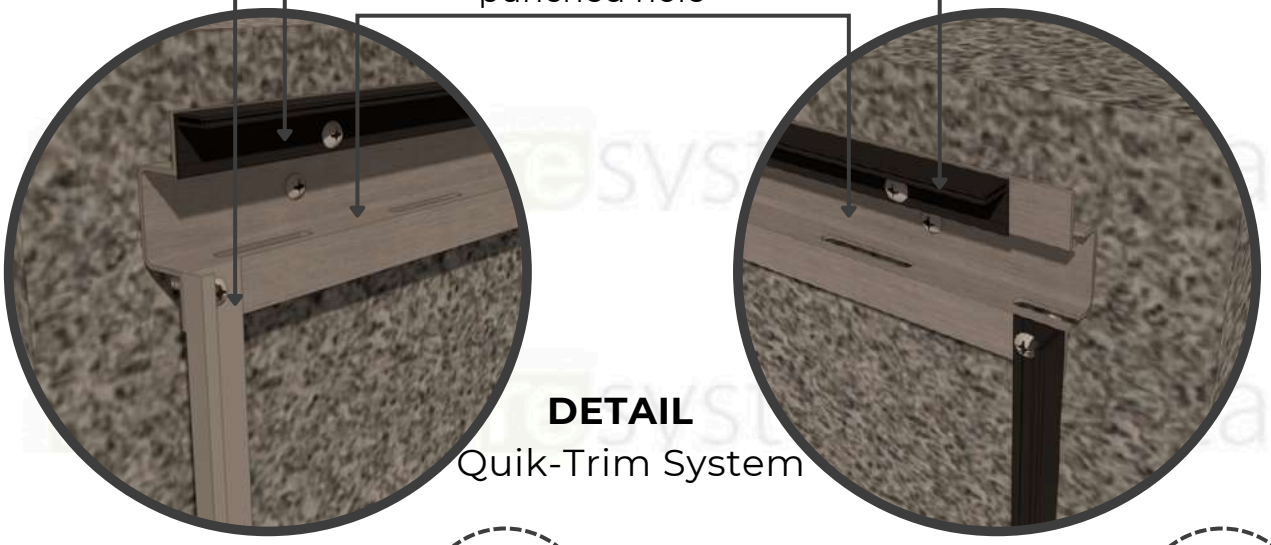


DETAIL
Quik-Trim
System

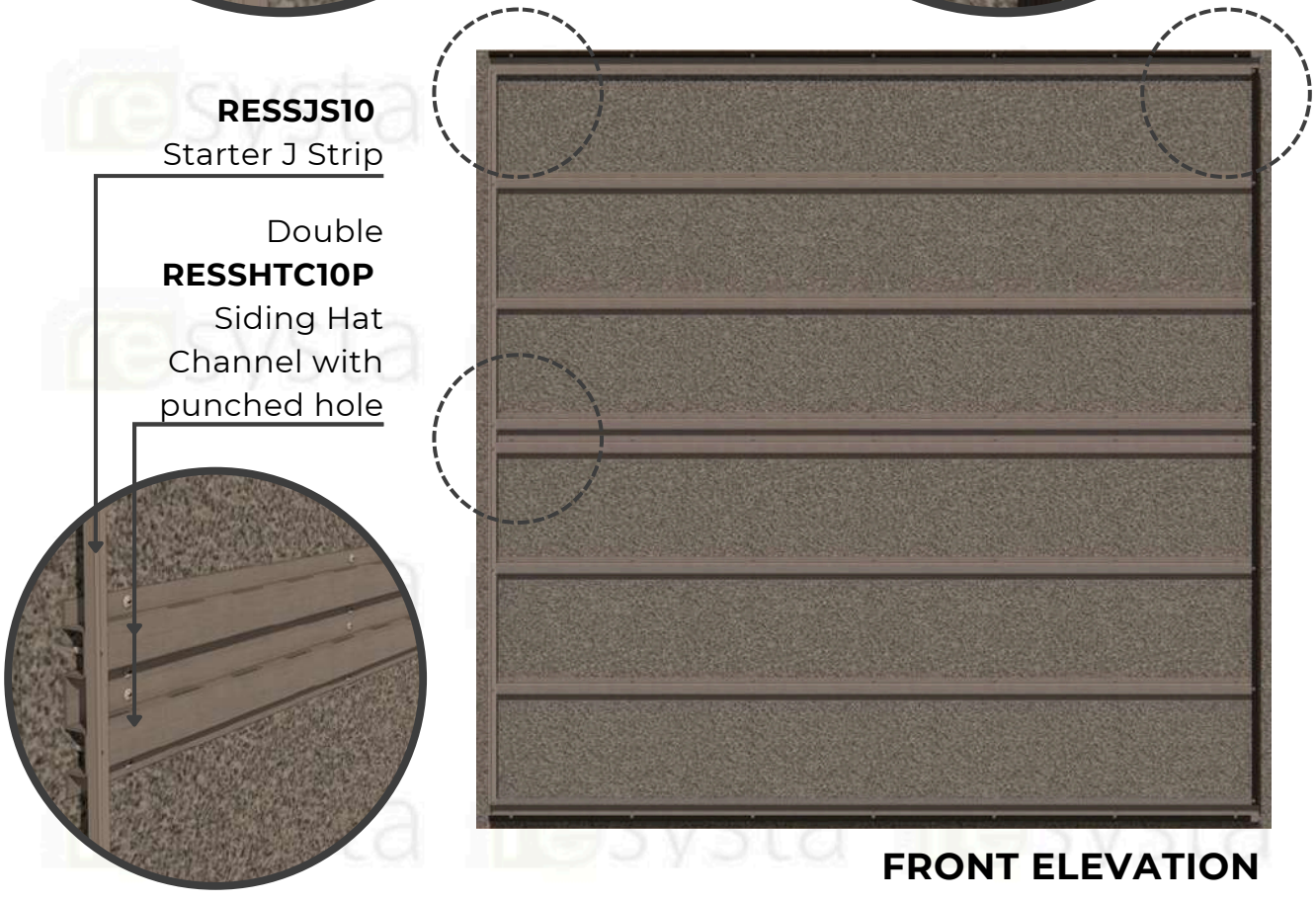
FRONT ELEVATION
Quik-Trim System

STEP 6.1.2

The Quik-Trim PVC base should be installed at every end of the reverse hat channel and on side of all the hat channels, by screwing on the PVC base on its groove.



DETAIL
Quik-Trim System



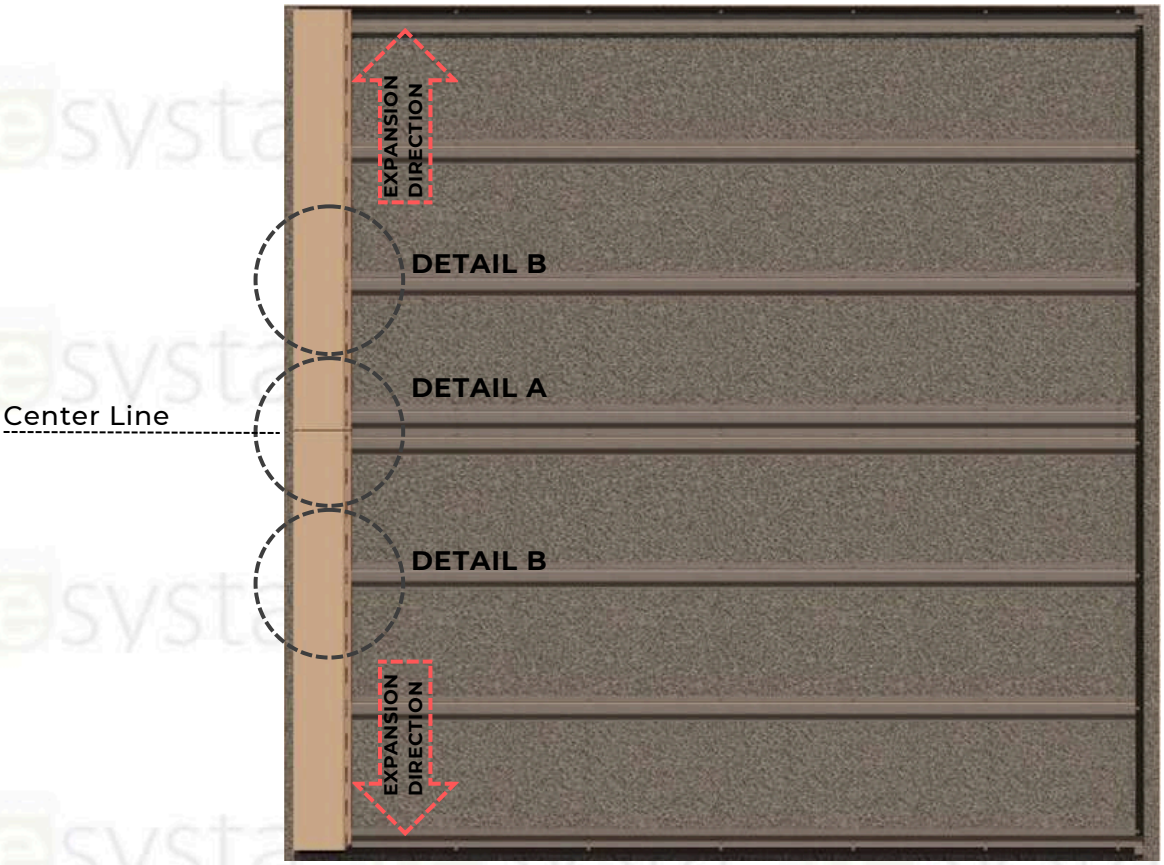
FRONT ELEVATION
Quik-Trim System

STEP 6.1.3

Follow step 5.4 of Section 5 and install the top board by butting it against the bottom board and securing the CPSS25 screw into the slotted hole at the bottom of the board. This screw should be placed at the top of the slotted hole and snug to the board to allow the board to move freely in the vertical direction allowing for expansion and contraction.

DETAIL A

DETAIL B



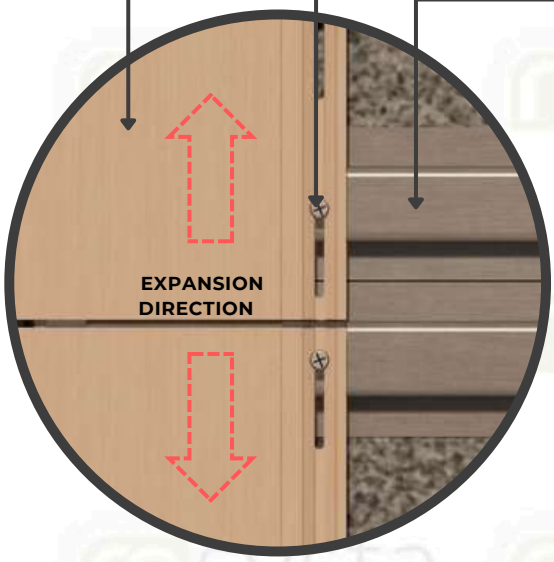
FRONT ELEVATION

Quik-Trim System

RESYSTA Profile (CPH95/ CPH140/ CPH292 / Deco/ Rhombus)

CPSS25 Shoulder SS Screw

RESSHTC10P



DETAIL A

Hard fasten the screw in the center of the Hat Channel but on the top most part of the Siding boards slotted

RESSHTC10P Siding Hat Channel with punched hole

CPSS25 Shoulder SS Screw

RESYSTA Profile (CPH95/ CPH140/ CPH292 / Deco/ Rhombus)

DETAIL B

Loose fasten the screw in the center of the Hat Channel and Siding board slotted hole.

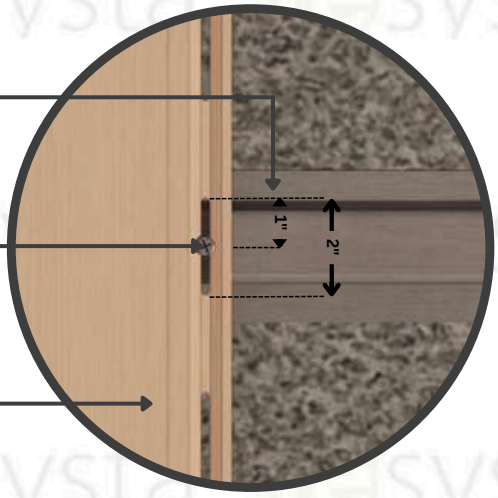
STEP 6.1.4

Continuously install the board vertically and install CPSS25 screws into the remaining slotted holes for the top board. DO NOT over-tighten the screws. These screws should be placed in the center of the slotted hole and loose enough to allow the board to move freely in the vertical direction allowing for expansion and contraction.

RESSHTC10P Siding Hat Channel with punched hole

CPSS25 Shoulder SS Screw

RESYSTA Profile (CPH95/ CPH140/ CPH292 / Deco/ Rhombus)

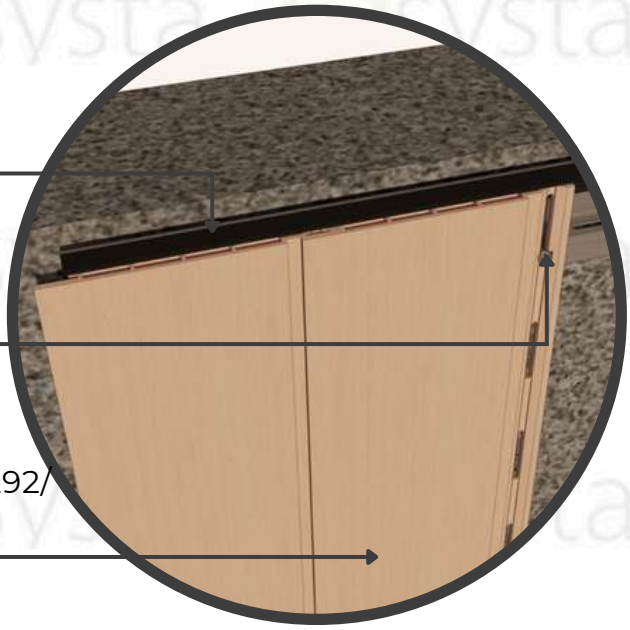


FRONT ELEVATION

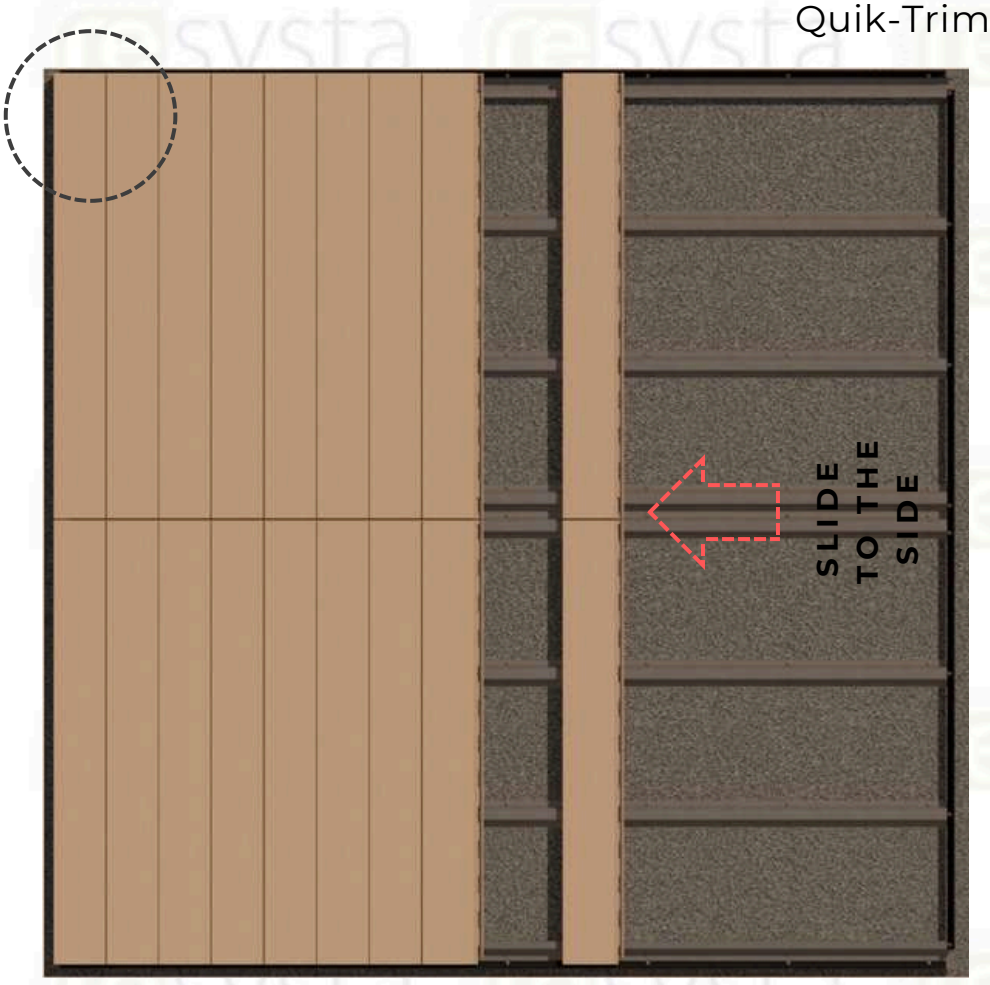
Quik-Trim System System

STEP 6.1.5

Hook the groove end of the next board onto the tongue of the installed board.



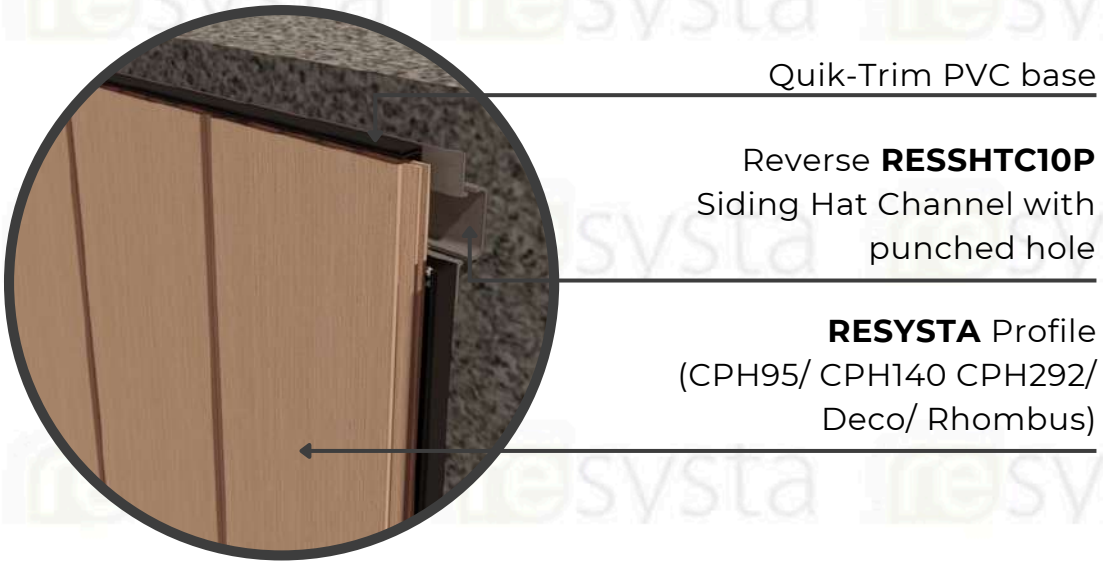
DETAIL
Quik-Trim System



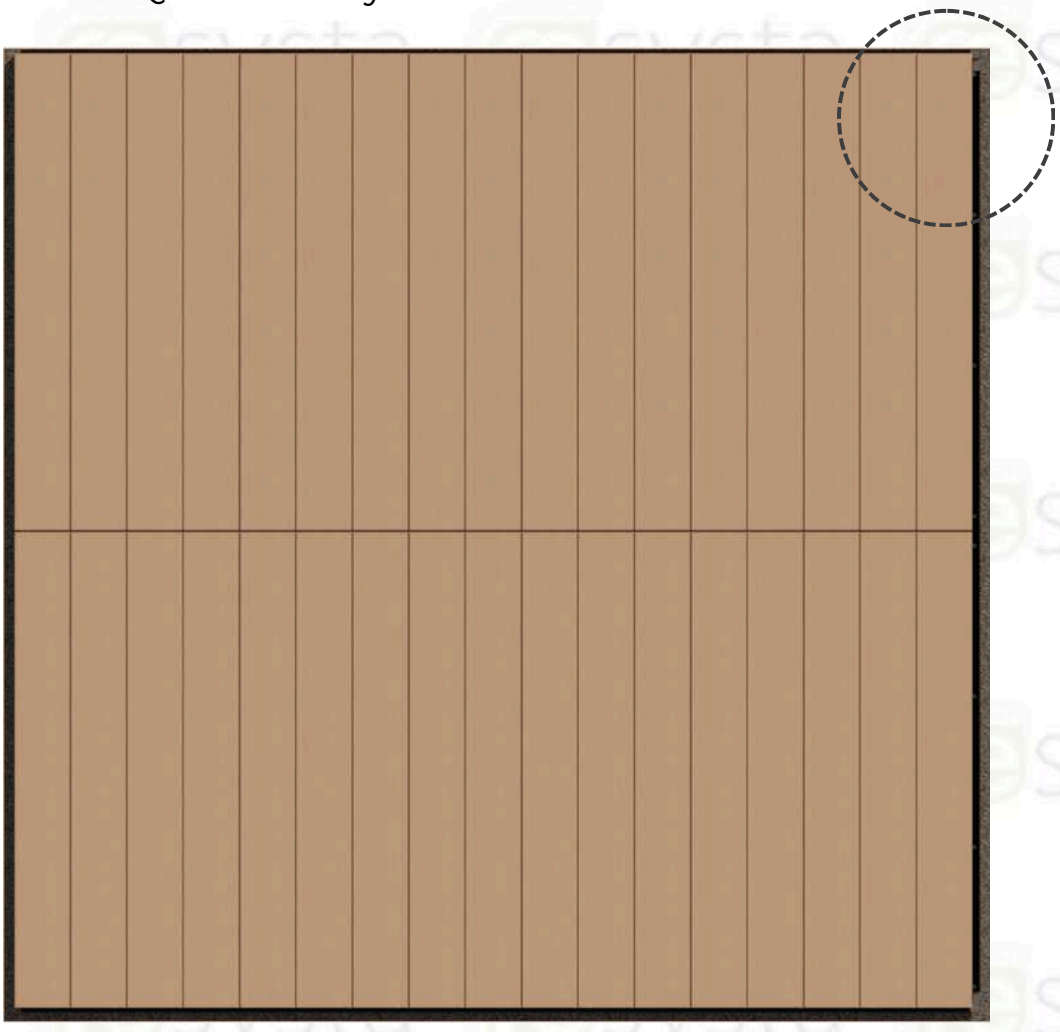
FRONT ELEVATION
Quik-Trim System

STEP 6.1.6

Continue installing boards vertically as outlined in Section 5 until the last board is installed.



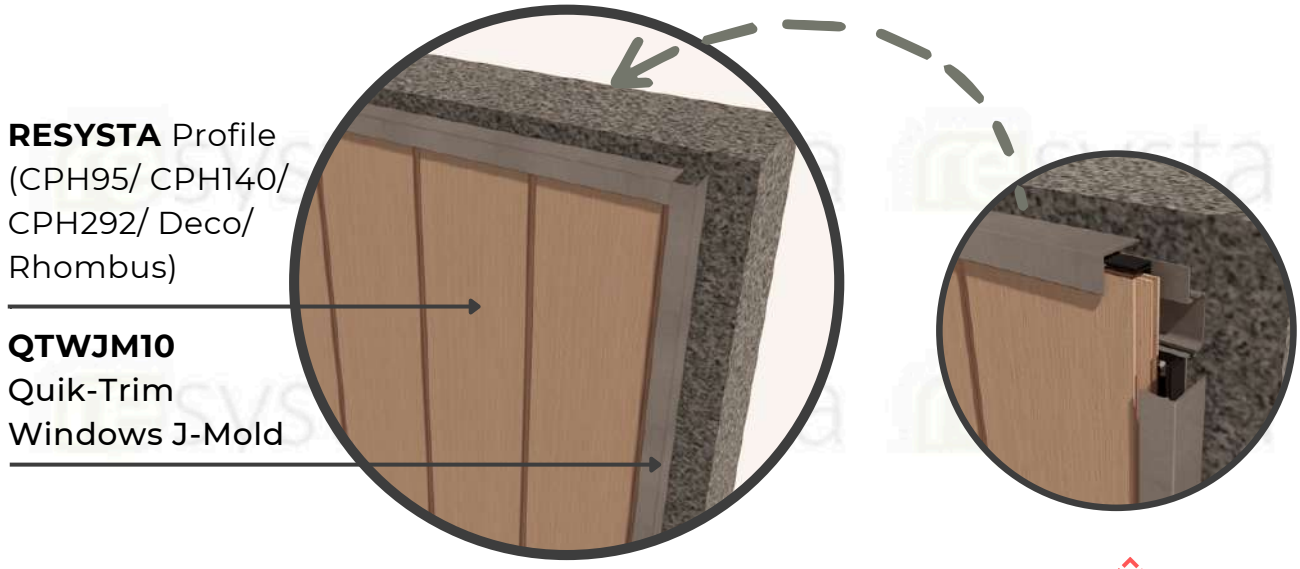
DETAIL
Quik-Trim System



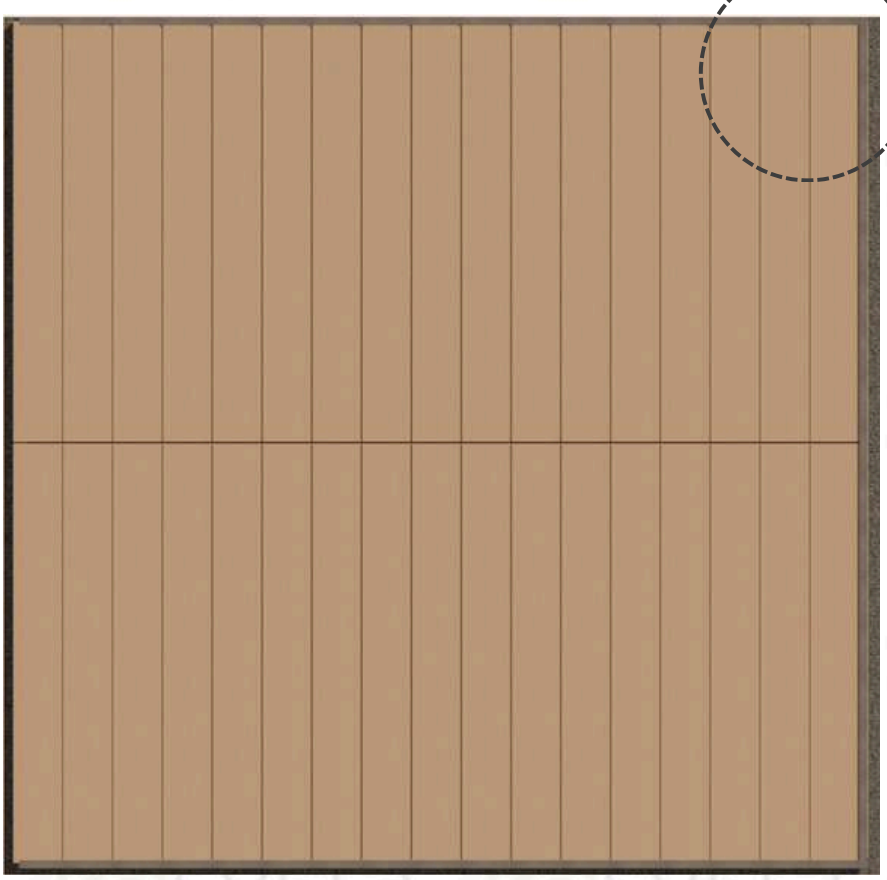
FRONT ELEVATION
Quik-Trim System

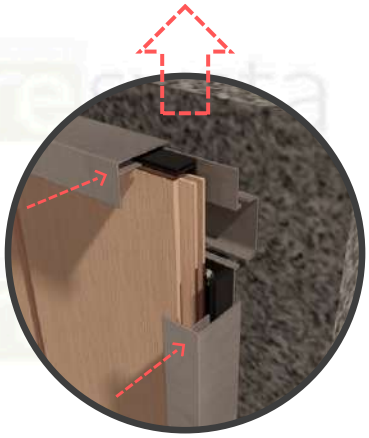
STEP 6.1.7

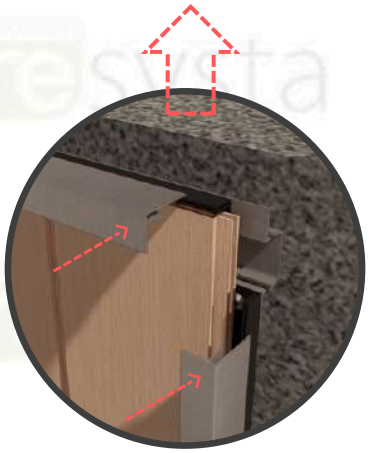
After the installation of the last vertical board as outlined in Section 6: “2 Board High Installation without the H-Channel Trim”, finally intall on all the aluminum Quik- Trim on the PVC base to finish the installation.



DETAIL
Quik-Trim System







Install the window J-mold into the PVC base

FRONT ELEVATION
Quik-Trim System

Multi-Board Vertical Board High Installation using the Aluminum Quik-Trim H-Mold

STEP 6.2.1

Ensure that two battens have been installed horizontally where boards are to be installed end to end.

STEP 6.2.2

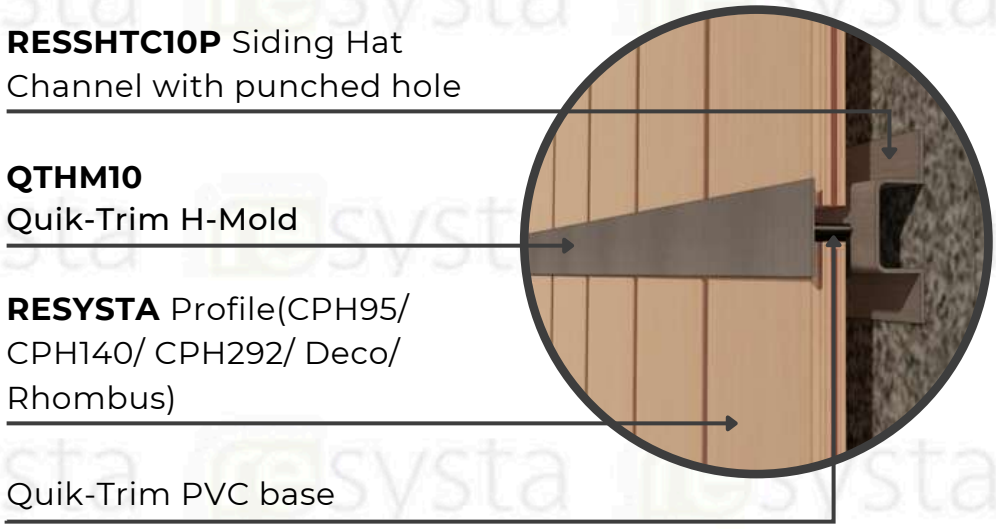
Follow Steps 5.2, 5.3, and 5.4 from Section 5 to install the Quik-trim trim, starter J-strip, and hook in the 1st siding board. Install another Quik-trim PVC base horizontally into the hat channel where the H-mold aluminum quik-trim will be installed at each board abutment joint to cover the ends of the Resysta board. This is an option for installations using 3 or more boards abutted end-to-end. None of the Quik-Trim should be installed horizontally unless weep holes are drilled at 200mm intervals to allow for moisture to escape from behind the face flange.

STEP 6.2.3

Install CPSS25 screw into the slotted hole at the top of the board. DO NOT over tighten this screw. This screw should be placed at the top of the slotted hole and loose enough to allow the board to move freely in the vertical direction allowing for expansion and contraction.

STEP 6.2.4

Hook the groove end of the next board onto the tongue of the installed siding board. Proper gapping between the siding boards and Quik-trim PVC base for the H-mold aluminum quik-trim finishing.



DETAIL
Quik-Trim System

STEP 6.2.5

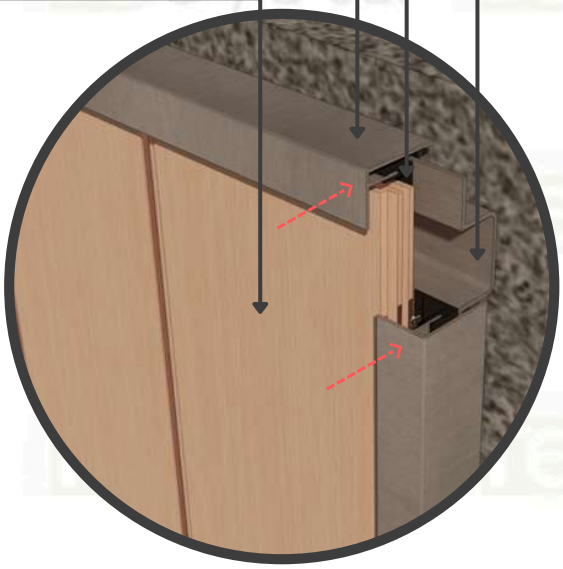
Continue installing boards vertically as outlined in Section 5 until the last board is installed. After the installation of the last board, finally install on all the aluminum quik-trim on the Quik-Trim PVC base to finish the installation.

Reverse **RESSHTC10P** Siding Hat Channel with punched hole

Quik-Trim PVC base

QTWJM10

RESYSTA Profile (CPH95/ CPH140/ CPH292/ Deco/ Rhombus)



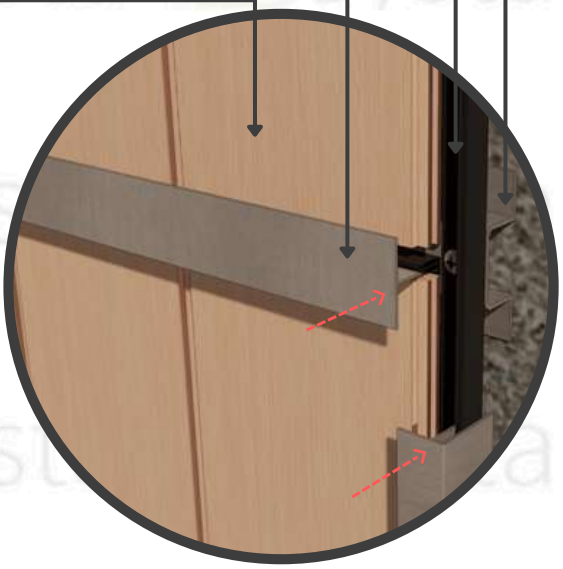
DETAIL A

RESSHTC10P Siding Hat Channel with punched hole

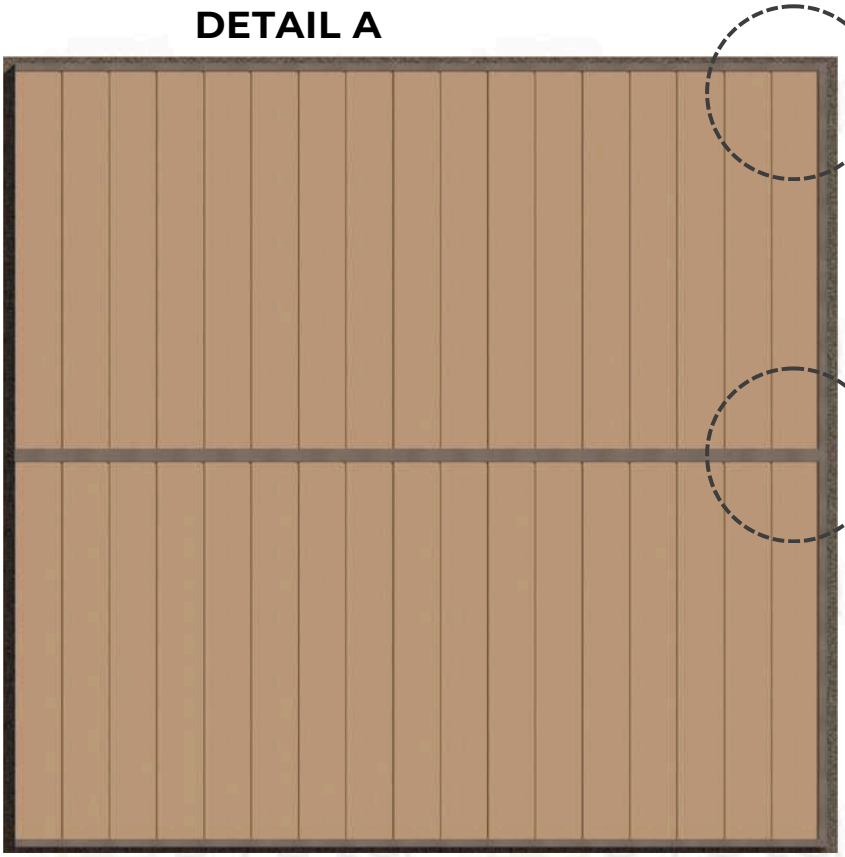
Quik-Trim PVC base

QTHM10

RESYSTA Profile (CPH95/ CPH140/ CPH292/ Deco/ Rhombus)



DETAIL B



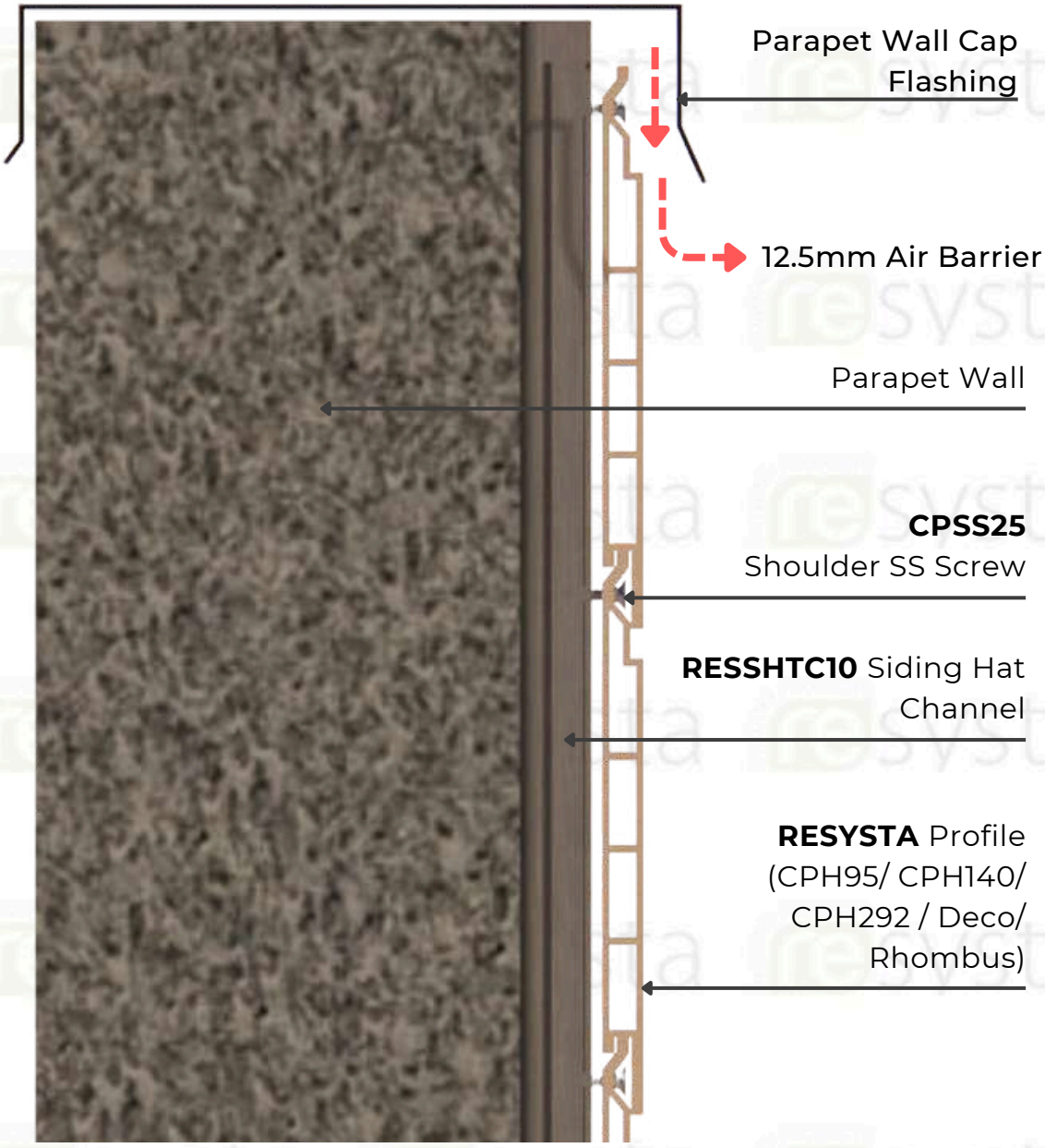
FRONT ELEVATION

Quik-Trim System

SECTION 7 – Air Barrier – Requirements

For all of the installation options, it is crucial to allow the uninterrupted flow of air from the bottom to the top of the wall system. This creates a chimney effect which provides not only moisture wicking but also cooling behind the Resysta board.

Air flow must be able to release at the top of the construction. For that reason a 12.5mm gap between the top of the Resysta board and the Parapet Wall Cap Flashing is necessary. The same size gap is needed between the face of the Resysta board and the Parapet Wall Cap Flashing. This should also be followed when using the J channel at the top of the wall.



SECTION
Quik-Trim System

SECTION 8 – Quik-Trim Finishing

HORIZONTAL OUTSIDE CORNERS

The Quik-Trim PVC base should be pre-applied prior to installing boards. The starter J-strip for the first board should be installed butted against the Quik-Trim PVC base. The board end should be miter cut at a 45-degree angle to match up with the Quik-Trim PVC base. Follow the gap guide when installing the board to allow for expansion and contraction on the corners. Install horizontal siding per previous sections. When using an aluminum hat channel for an outside corner application, the installer may reverse and attach the hat channel so that the flanges meet. Finally, after the installation of the last board install the outside corner mold OCM into the Quik-Trim PCV base to finish the outside corner.

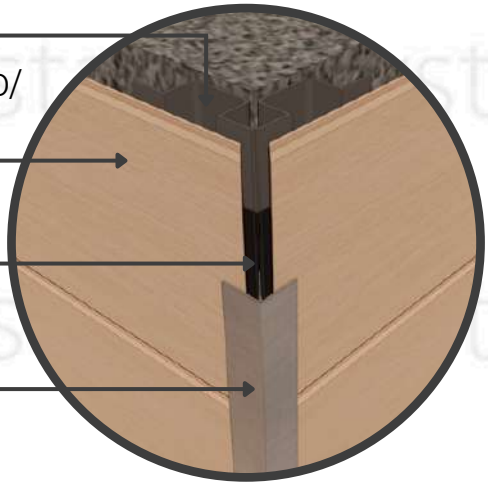
TOP VIEW Outside Corner
Quik-Trim System

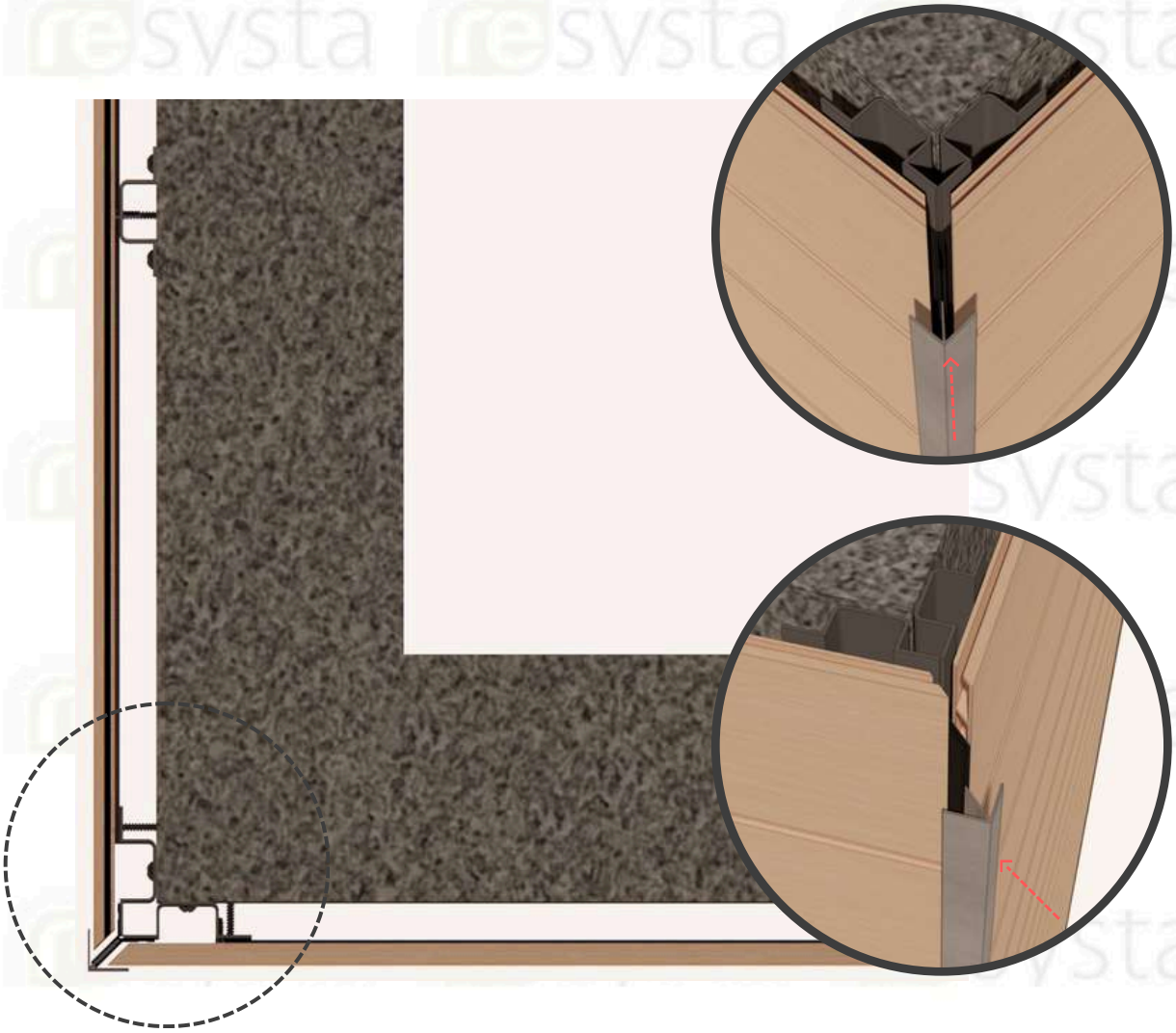
Reverse **RESSHTC10** Siding
Hat Channel

RESYSTA Profile(CPH95/ CPH 140/
CPH292/ Deco/ Rhombus)

Quik-Trim
Outside Corner PVC base

QTOC10
Quik-Trim Outside Corner





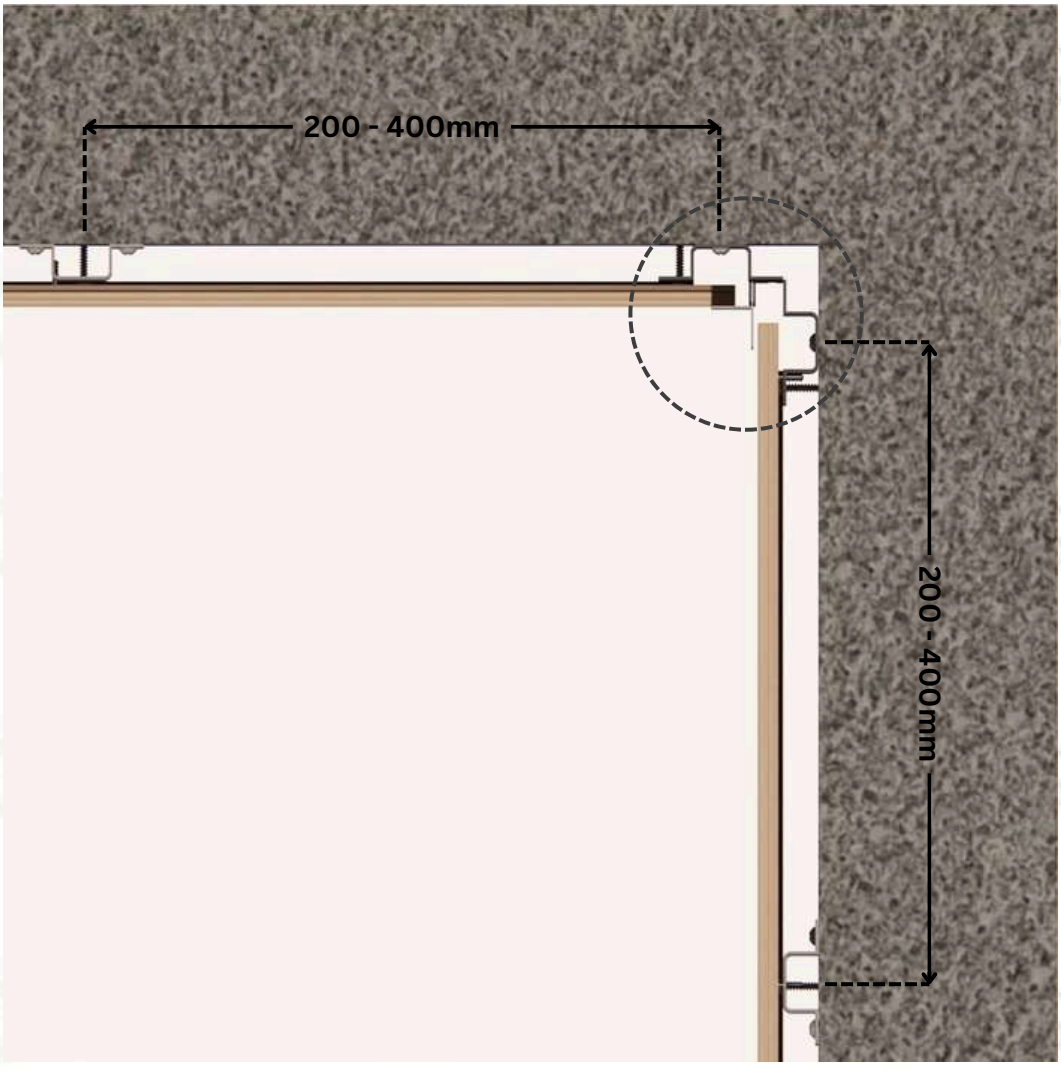
TOP VIEW Outside Corner

Quik-Trim System

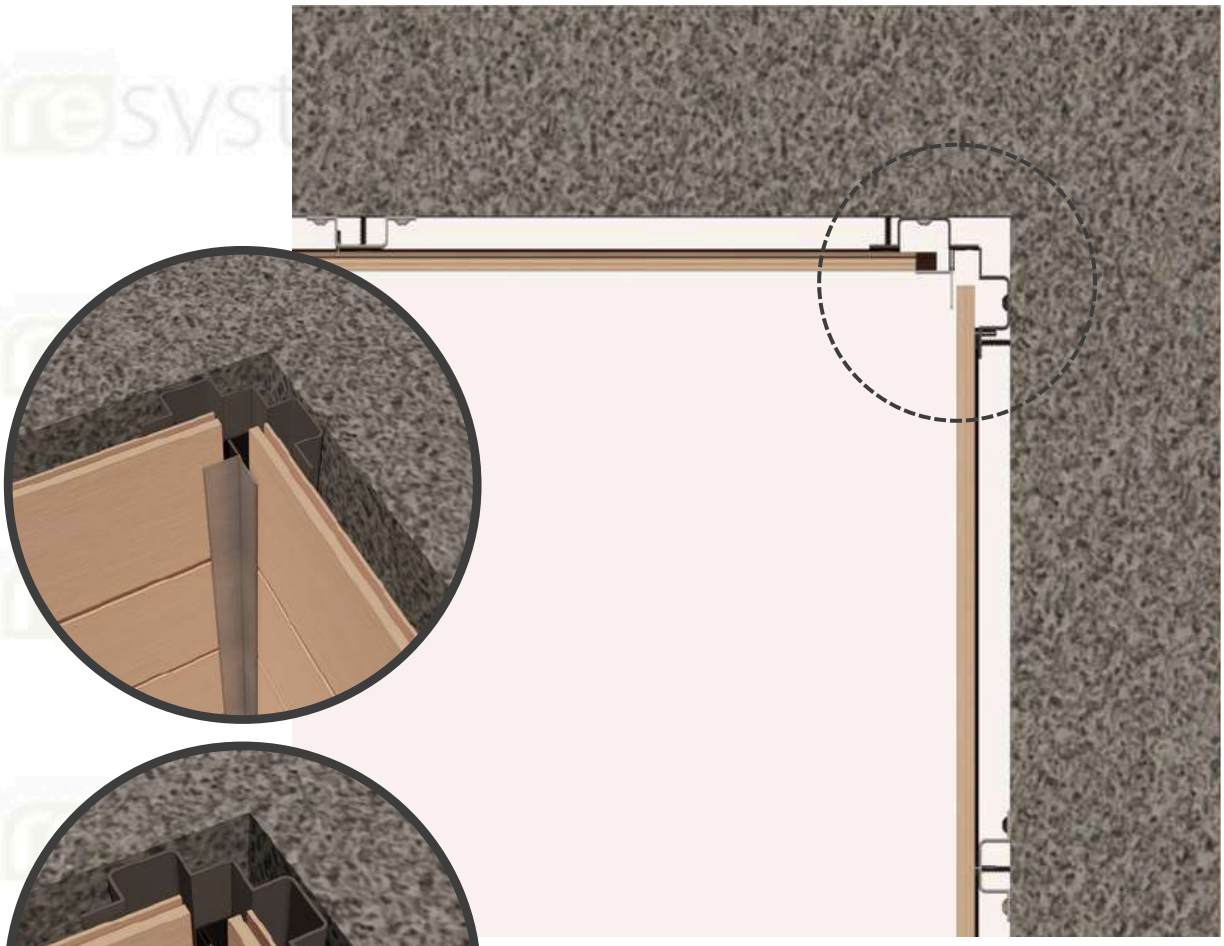
To finish the outside corner install the OCM aluminum trim on the outside corner PVC base.

HORIZONTAL INSIDE CORNERS

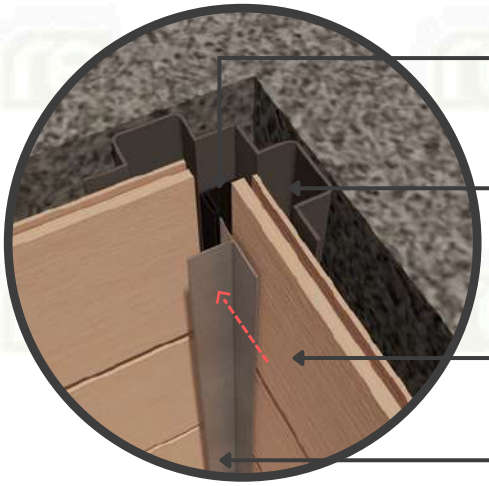
The Quik-Trim PVC base should be pre-applied prior to installing boards. The starter J-strip for the first board should be installed butted against the Quik-Trim PVC base. Follow the gap guide when installing the board to allow for expansion and contraction on the corners. Install horizontal siding per previous sections. When using an aluminum hat channel for an inside corner application, the installer may reverse and attach the hat channel so that the flanges meet. Finally, after the installation of the last board snap-on the inside corner mold ICM into the Quik-Trim PCV base to finish the outside corner.



TOP VIEW Inside Corner
Quik-Trim System



TOP VIEW Inside Corner
Quik-Trim System

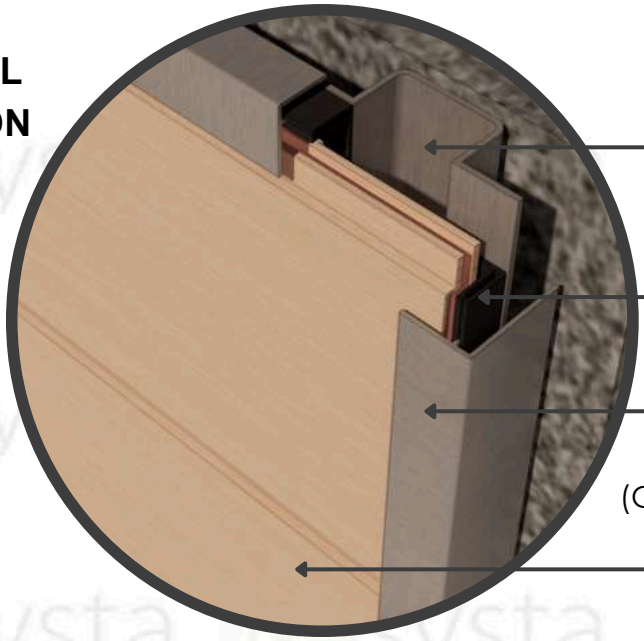


To finish the inside corner install the ICM aluminum trim on the inside corner PVC base.

BOARD TERMINATION TRIM

When a board in either a horizontal or vertical application terminates into a wall, eave, window, door, etc. a Quik-Trim window J-mold should be used to cover the exposed end of the board. The Quik-Trim window J-mold should also be used along the bottom of a vertical installation. The Quik-Trim PVC base should be pre-applied prior to installing boards. In the case of an intersecting joint, the starter strip should be installed butted against the Quik-Trim PVC base, not overlapping the Quik-Trim window J-mold trim attachment flange. Follow the gap guide when installing the siding board to allow for expansion and contraction within the Quik-Trim window J-mold trim.

HORIZONTAL APPLICATION



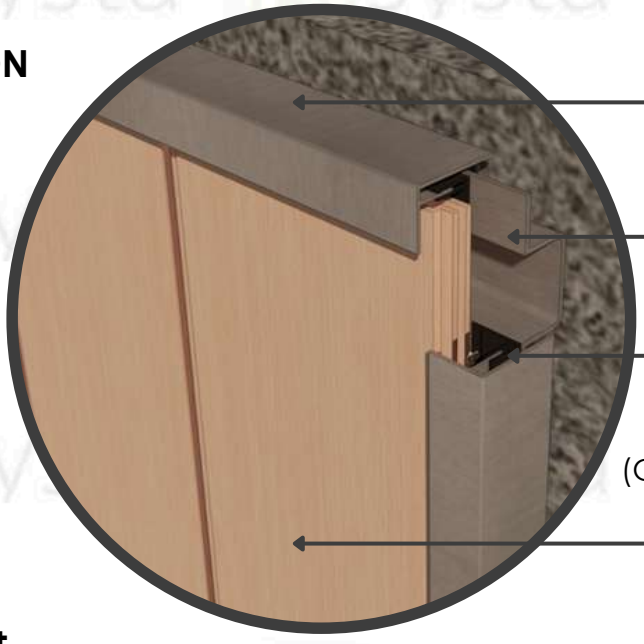
Reverse **RESSHTC10** Siding Hat Channel

Quik-Trim PVC base

QTWJM10 J Mold

RESYSTA Profile (CPH95/ CPH140/ COH292/ Deco/ Rhombus)

VERTICAL APPLICATION



QTWJM10 J Mold

Reverse **RESSHTC10P** Siding Hat Channel with punched hole

Quik-Trim PVC base

RESYSTA Profile (CPH95/ CPH140/ CPH292/ Deco/ Rhombus)

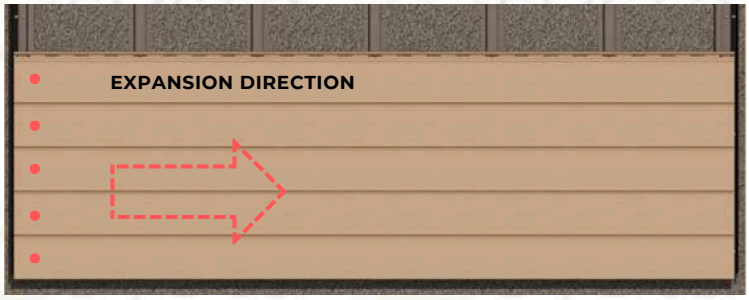
Requirement

When the Quik-Trim window J-mold is installed in a horizontal position weep holes must be drilled at 200mm intervals to allow for moisture to escape from behind the face flange. Do not drill weep holes over a door or window installation.

Pinning

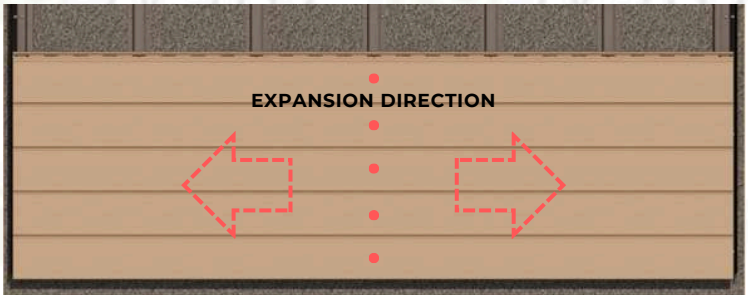
is a way to control the direction of expansion of the Resysta board, each board needs to be fixed at one end of the board.

Option 01 Every board should hard pin on one end of Resysta board to allow one side expansion direction.



Pinning the CPSS25 Stainless Steel Screw at the first hole of the Resysta board.

Option 02 Every board should hard pin on the middle of the Resysta board to allow for right or left side expansion direction.



Pinning the CPSS25 Stainless Steel Screw at the middle hole of Resysta board.

SECTION 9 – Primer and Sealer System

Resysta recommends using an approved water-based primer RBP and stain RCL system.

III. GENERAL NOTES

3.1 Resysta building products is not responsible for information shown on all details beyond specification scope of work BID/quoted and as indicated contract documents.

3.2 Details of adjustment work are shown for completeness only. The project Architect / Project Engineer / Erecting Contractor supplying and/or installing the structural support is responsible for its design/installation to accommodate all loads imposed upon the products.

3.3 Our Engineer is limited to the load carrying components of the system and its fasteners shown on the subsequent drawings. The components are supplied by other parties.

3.4 These drawings are the copyright property of Resysta Building Products, Inc.

3.5 Please read our installation and design recommendations documents for further information that may be important for your specification project or installation.

3.6 Ensure a steady material temperature when cutting the boards to size. The cutting has to be done under constant conditions. e.g. inside or in the shade.

3.7 Always consider the linear expansion of Resysta, which is dependent on the temperature but not the air humidity. See Table 1.3 “Resysta Expansion - Contraction Guide” and Table 1.4 “Resysta Expansion Chart” for more information.

3.8 Minimum runner/batten spacing for the 200mm system.

3.9 Slots should be used to attach the Resysta board to the runner/battens.

3.10 Overhang Resysta boards to a maximum of 25mm.

3.11 Only use construction fastening material and hardware suitable for outdoor use (e.g. Stainless Steel Screws).

DISCLAIMER

Resysta boards and quik- have been specially developed for their named application and are not structural material. The items have no general technical approval and are therefore not suitable for supportive construction purposes. Local building codes as well as installations and technical information should be taken into account. Resysta products should be stored on plain ground and if planks are stored on bars, ensure that there is a distance of 300mm between them. The Resysta product must be installed by an authorized professional installer. For more details please visit our web site.

Please direct product inquiries to:

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website: www.resysta-asia.com
Email: info@resysta-asia.com