

HI-QuadCore[®] KS1000 AWP



Horizontal installation / Folded panel

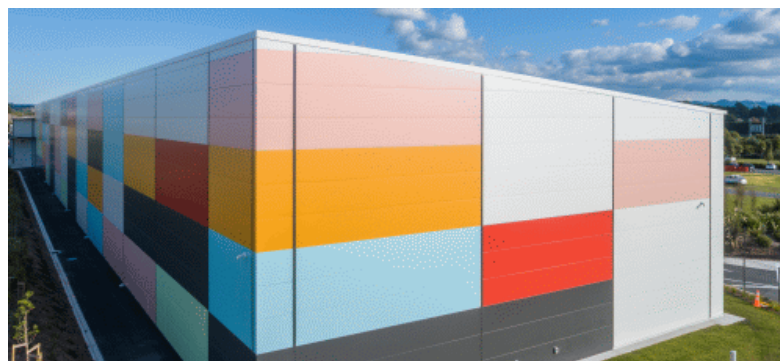
General considerations for HI-QuadCore[®] KS 1000 AWP panels installation

Product safety

It is necessary to consider the information contained in the Product Safety Data Sheet, available by contacting the technical service.

Precautions

Avoid concentrated loads on the panels during storage to prevent the appearance of dents and deformations.



Installation accessories

For a correct assembly, it is necessary to have the following types of finials and accessories, as well as other specific finial elements for each work, and that HUURRE can provide:



Starter plate

(REF. 30500096)



EPDM joint

(REF. KS_RCS_GASK)



Filler

(REF. 10310250)



PIR foam insulation

(REF. 1013300011)



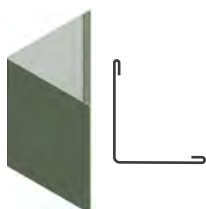
Self-drilling screw

(REF: It depends on the thickness. Check availability)

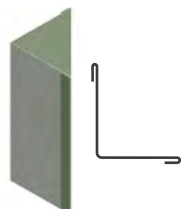


Load distribution plate

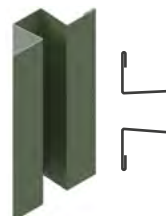
(REF. 305000446)



**Corner flashing
External angle**



**Corner flashing
Inner angle**



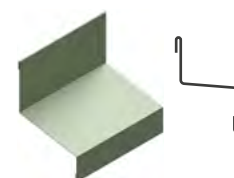
Omega flashing

(REF. 30460402)



U-shaped flashing

(REF. 30460404)



Rain guard flashing



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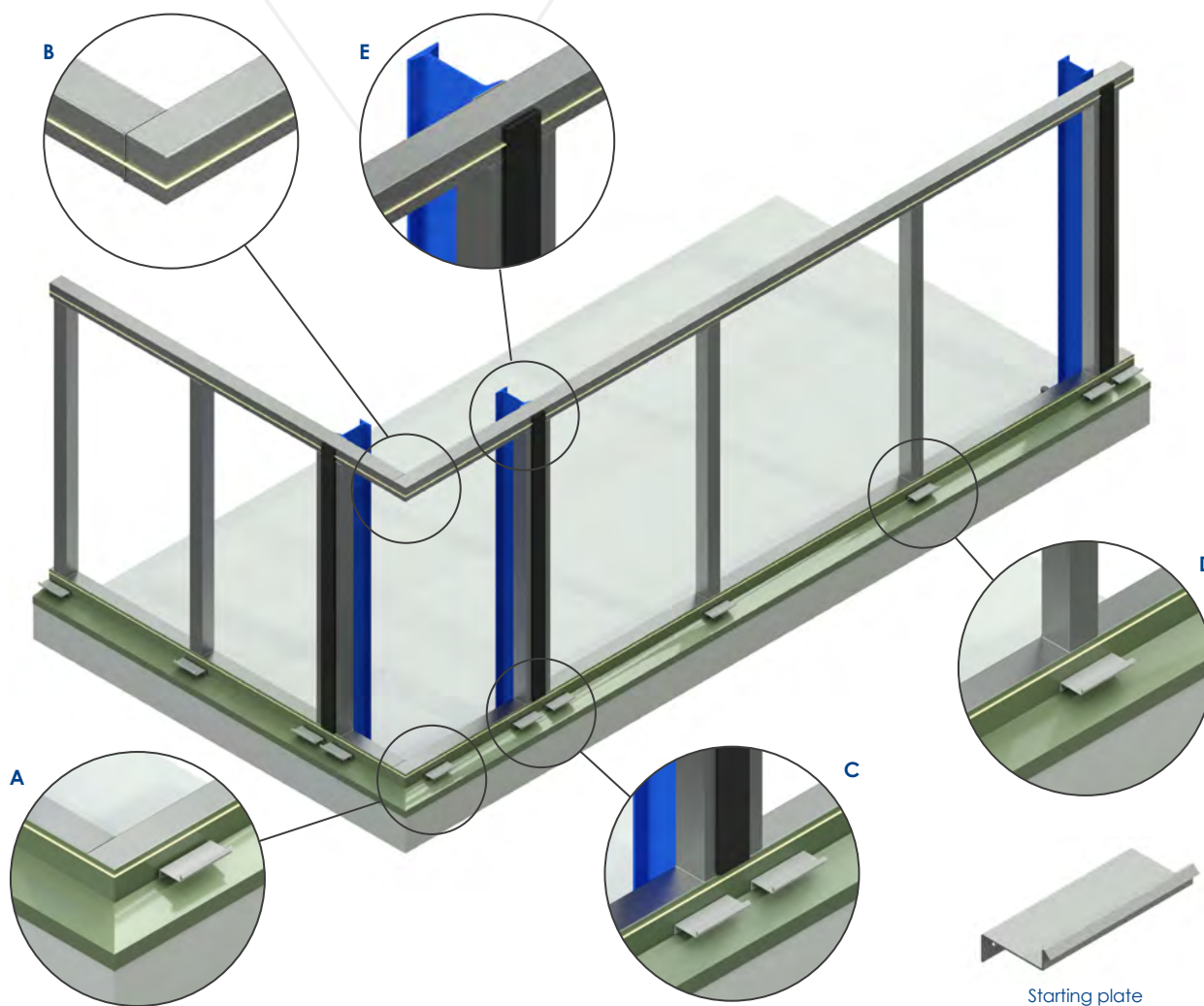
Assembly of facade panels (horizontal with folded corner panel)

Considerations

The steel structure must be properly aligned and levelled. The panels must always be installed starting with the lower panel, fitting the groove of the outer sheet into the starting plates. The construction details of the structure and the finishing are indicative, and may vary from one project to another (for example, in the attached diagram the type of purlins TZ-EC have been used as a substructure).

Assembly steps

1. Leveling and alignment of the substructure and fix the starting plates.



- A. Fix the flashing with flat head screws to the bottom support or wall.
- B, E. Apply a \varnothing 6mm sealing bead (or a weather stripping) around the entire perimeter of the lower rain guard and the upper support.
- C, E. Place the EPDM joint adhered to the pillars profiles where the vertical panel joint will be located.
- D. Fix the starting plates of the panel to the structural profiles or wall.

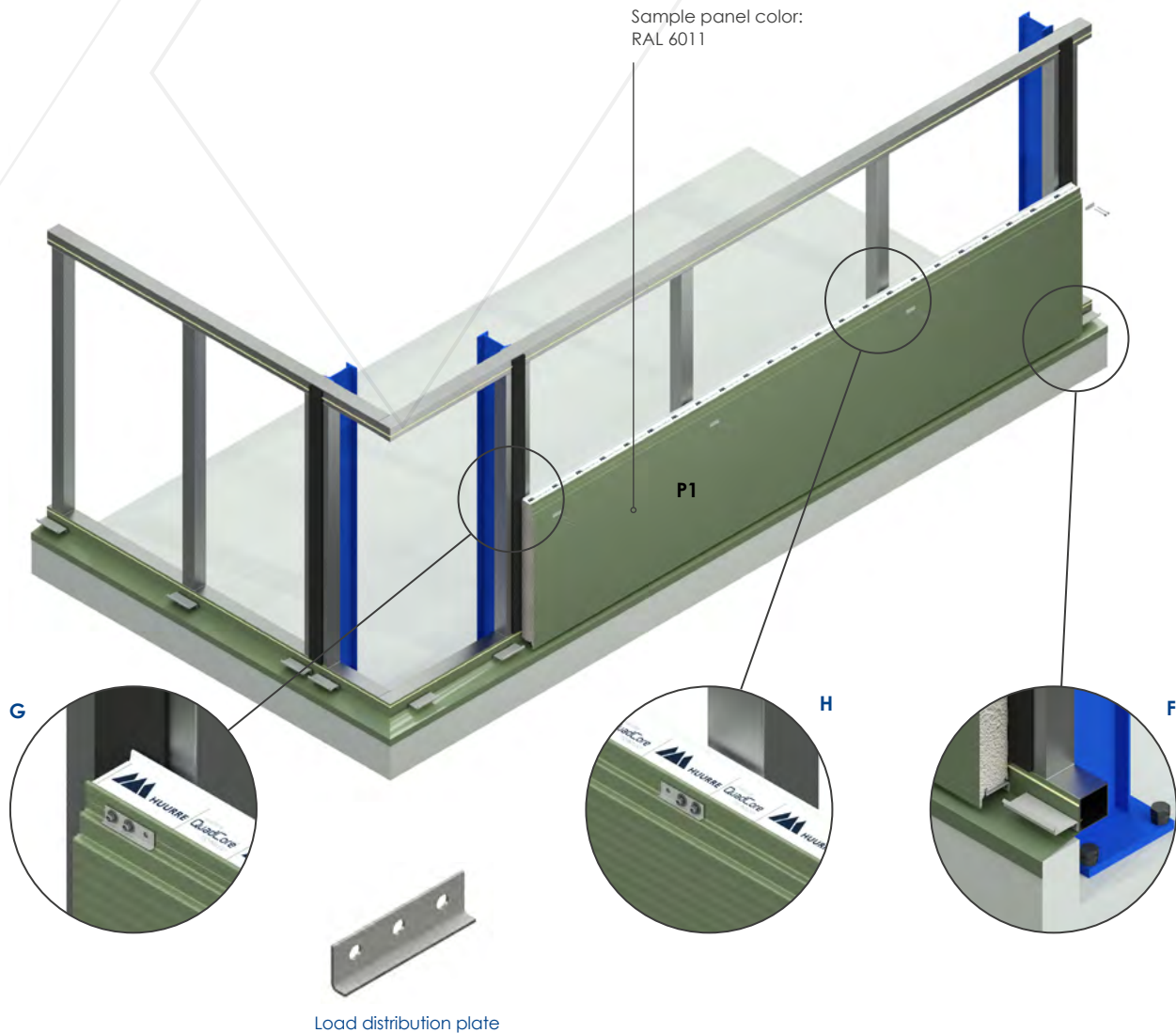
HI-QuadCore® KS 1000 AWP

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Assembly steps

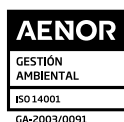
2. Installation of the first panel.



F. Locate and install the first HI-QuadCore® KS 1000 AWP panel ensuring that it is correctly leveled and the slot on the outer face fits into the previously installed starter plates. At the bottom, there must be a 5mm space between the outer sheet of the panel and the flashing for a proper water guard.

G, H. Fix the panels to the structural profiles by means of screws and load distribution plates.

NOTE: The number of fixing screws per support will depend on the loads applied to the panel.



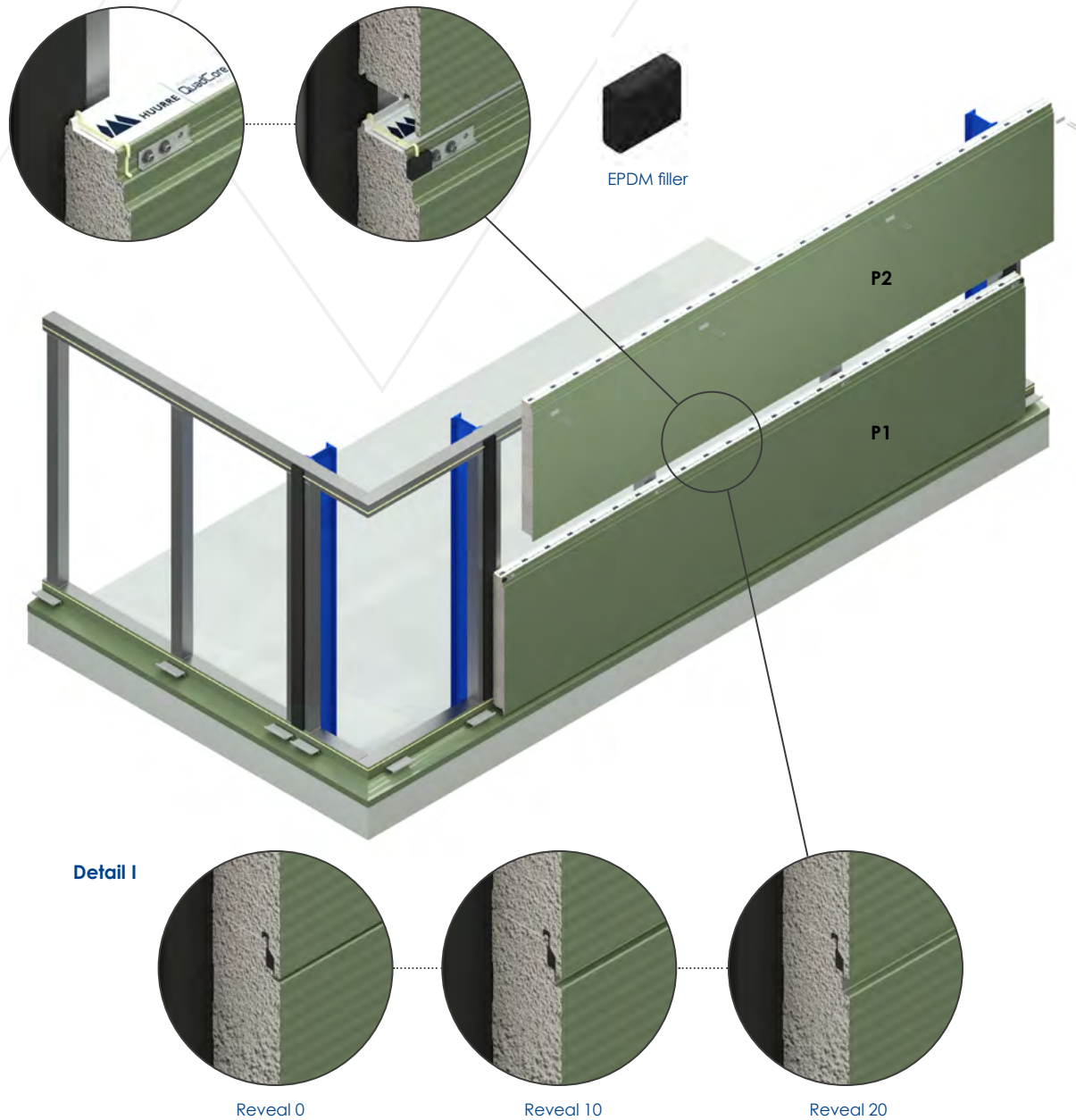
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Assembly steps

3. Assembly of the second panel.



I. Place the next panel according to the previous steps, including the sealing beads and the EPDM fillers at the longitudinal ends of the panel joint to guarantee watertightness. The gap in the longitudinal joint between panels will depend on the reveal chosen.

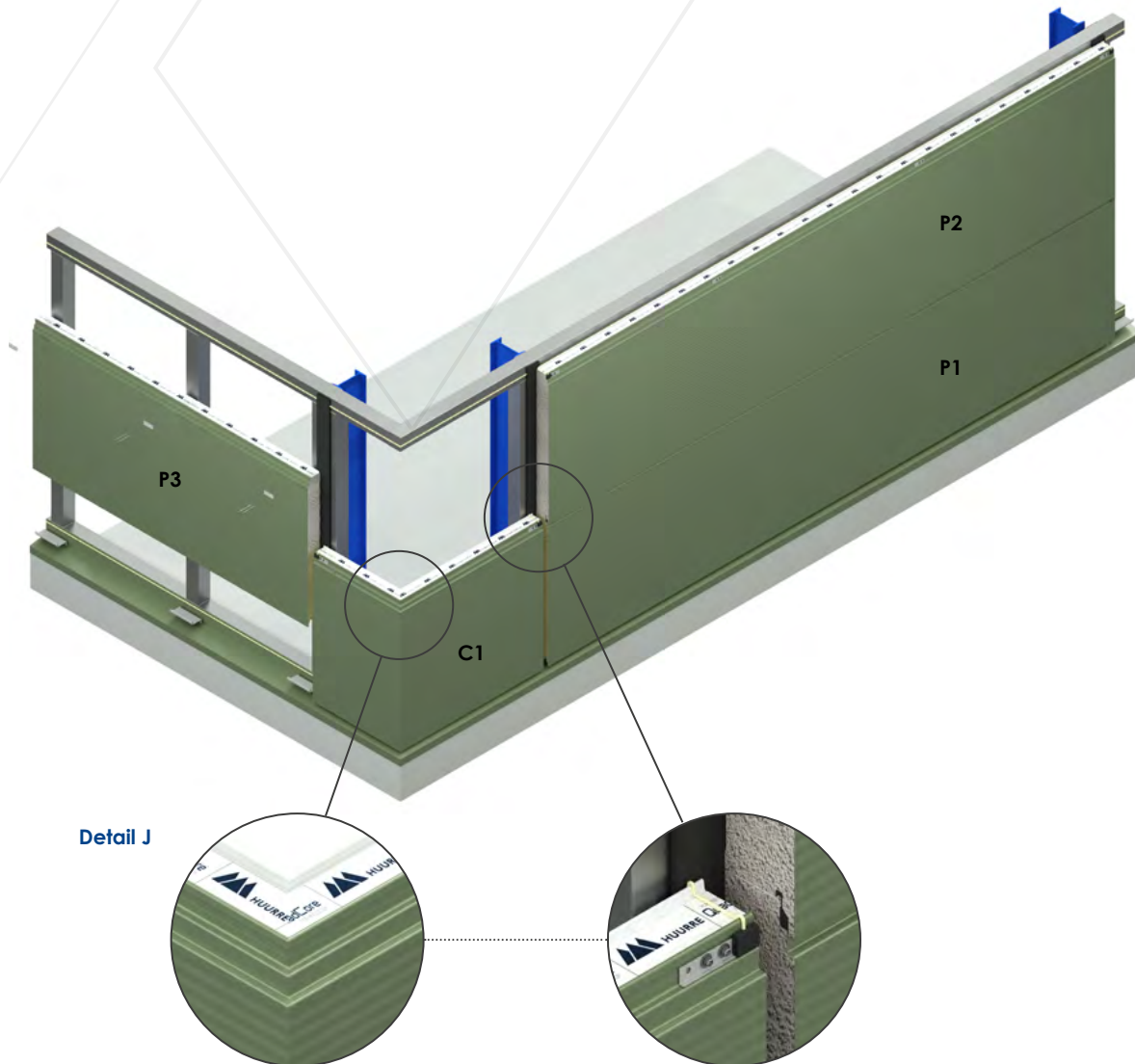
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Assembly steps

4. Installation of the corner panel and the following panels.



J. Place the lower corner panel leaving the right gap with the already installed panels to fit between. A PIR foam insulating strip will be placed between them. Continue installing the following corner panels according to the previous steps.

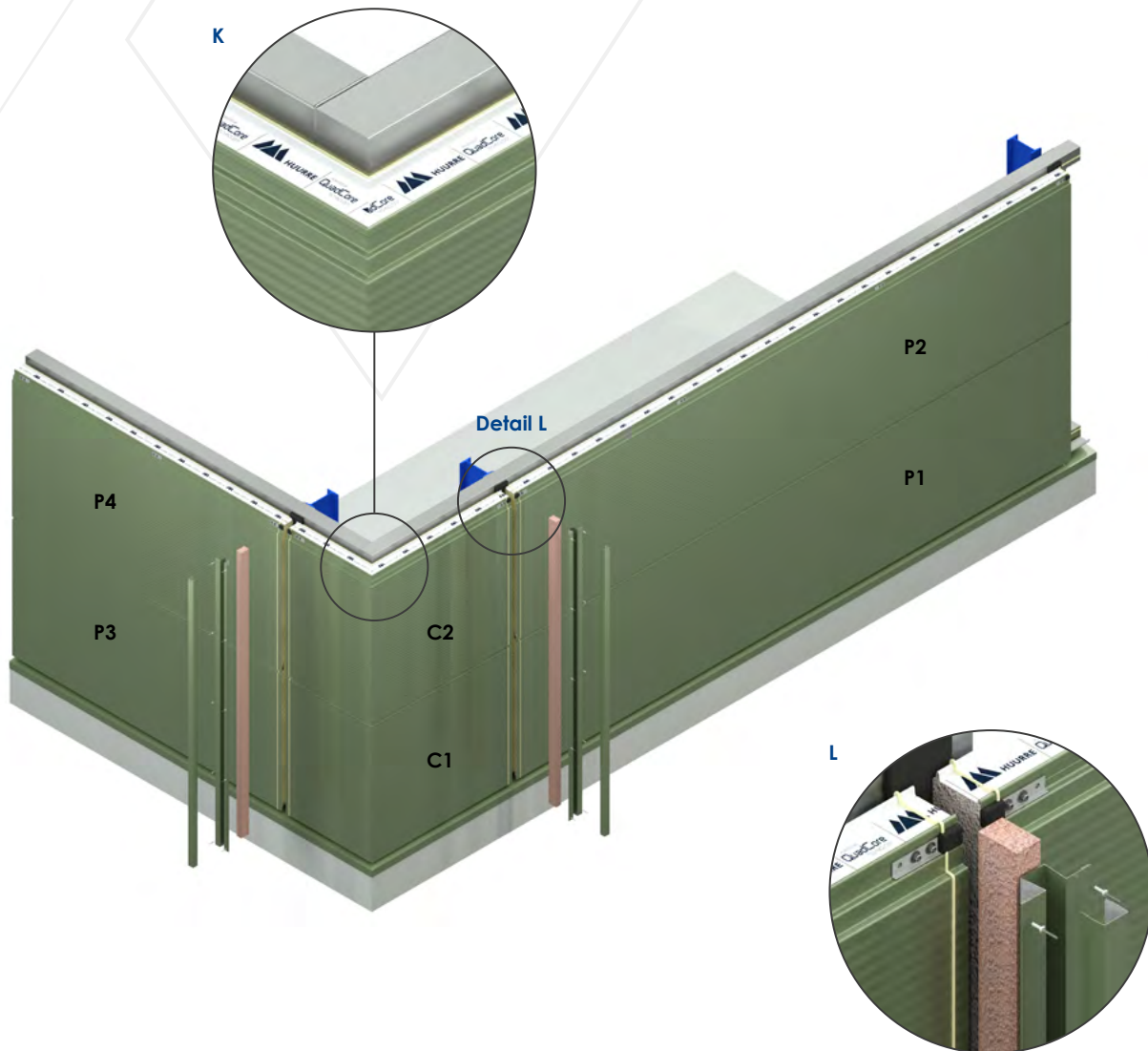
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Assembly steps

5. Preparation of the vertical joint between panels.



K. Detail of the corner folded panel.

L. Once all the panels are fastened, place the PIR foam insulators in the gap between the vertical joints. Then apply a bead of sealing at the end of the panel before placing the filler in the joint. Place the omega flashing in the vertical joint.

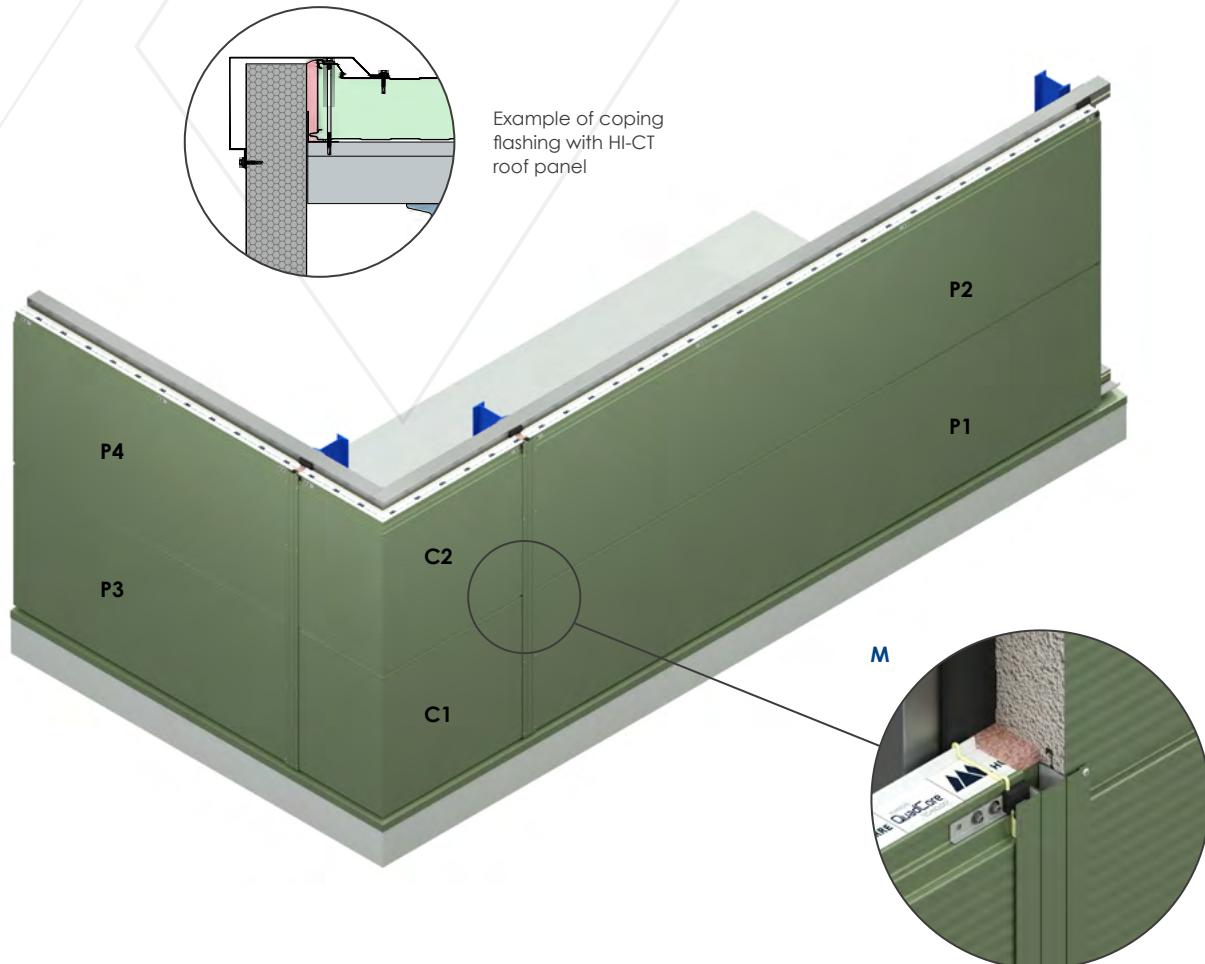
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Assembly steps

6. Assembly of flashings in panel joints.



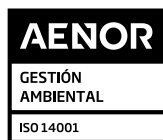
M. Fix the flanges of the omega flashing to the outer sheet of the panel. Finally, press-fit the U-shaped profile arranged as a trim.



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