FAÇADE CLADDING INSTALLATION INSTRUCTIONS

To enhance the service life of the wood and to minimise the need for maintenance, proper installation techniques are paramount. Installation of Platowood façade cladding must be carried out according to **Centrum Hout's Wood Guide** (in Dutch).

Transportation and storage

1. Platowood wood products must be carefully transported and stored horizontally. Ensure proper support of the product so that the boards do not sag (Figure 1).
2. It is important to install the wood as soon as possible after delivery. In the meanwhile, it is important to store the wood dry and leave any foil that is present. The foil is present on façade sections provided with finishing work, with the exception of the Natural Color Oil and Weathered Color Oil finishing work. Caution: when stacking the sections, place the foil between the façade sections and allow the wood to ventilate.
3. If the wood has been treated with a coating system, follow the processor's provided instructions.

Figure 1 - Store the stacked untreated wood correctly

Installation

Battening

4. Ensure that there is adequate ventilation behind the façade cladding. This applies to both horizontal and vertical façade cladding. Allow for sufficient ventilation at the top and bottom of the façade. (Figures 2, 3, 4 and 5).

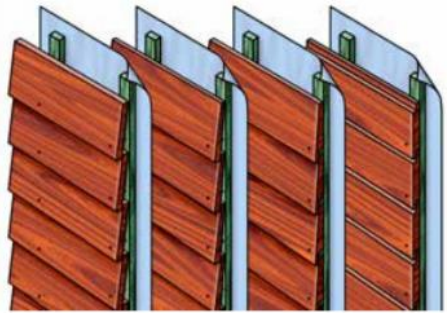

Figure 2 - Horizontal cladding
LTR: feather edge board, bevel siding, rebated feather edge board and rebated shiplap board.
(Source: Centrum Hout, 2024)

Figure 3 - Variable dimensions of horizontal open trapezium-shaped façade cladding for good drainage.
(Source: Centrum Hout, 2024)

Figure 4 - Vertical cladding
LTR: board & batten, board & batten and rebate with shiplap overlap (channel siding).
(Source: Centrum Hout, 2024)

Figure 5 - Vertical open façade cladding

(Source: Centrum Hout, 2024)

5. Double battening is essential for vertical cladding (Figure 6). The horizontally fastened rear battens at the top should be bevelled inwards so that moisture drains into the cavity (Figure 7). The ventilation cavity should be at least 15 mm.

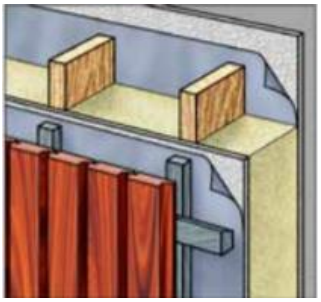

Figure 6 - Double battening
(Source: Centrum Hout, 2024)

Figure 7 - Bevelled rear battens
(Source: Centrum Hout, 2024)

6. The spacing between the battens is usually 60 cm, but if a sleek look is required, it is recommended to maintain a centre-to-centre distance of 40 cm. Where façade cladding profiles meet in the longitudinal direction, preferably apply wider or double battens.
7. For open façade cladding and when using round-headed ring shank nails (stainless steel), the battening thickness must be at least 27 mm. When using screws (stainless steel), the battening must be at least 18 mm.

Profile of façade cladding	**Minimum fastening length (x thickness of the section to be fastened)**		**Position of the nail or screw in the section, for one fastener per section**
	Nail	*Screw*	
Platonium 01 (channelsiding) Platonium 02 (channelsiding with false rebate) Platonium 03 (rebated shiplap board)	2.5	2	25 mm from the side of the board
Platonium 04 (rebated feather edge board)	2.5	2	45 mm from the overlapping side (horizontally applied)
Platonium 05 (plank planed on 4 sides) Platonium 07 (rhombus)	2.5	2	In the middle of the section
Platonium 10 (castellated profile)	n/a	2	Through thickest part of the profile
Platonium 11&12 (tongue and groove)	2.5	2	Screw through the thickest part of the tongue. Fasten the nail at an angle using the ridge on the tongue as a guide.

Figure 7 - Length of nail or screw

Façade cladding

8. Seal the crosscut edges of the façade sections twice with a suitable sealer prior to fastening. Contact Platowood for information on the proper sealer.
9. Fasten the wood sections with stainless steel ring shank nails or screws (round-headed or countersunk head). The heads of the ring shank nails or screws must be flush with the wood surface. These may not be recessed. Refer to Figure 7 above for correct fastener lengths for the façade section.
10. For Platowood Spruce: fasten the wood sections as such that the sapwood side (bark side) is the facing side, i.e. the front. For profiles that can be used double-sided – like the P01, P05 and P07 – this can be seen by the tree rings on the crosscut edges. As this is not always clearly visible, the back of these profiles is ‘marked’ with a spiked roller. This makes it possible to see at a glance which side should be at the back.
11. Fasten façade cladding, smaller than 120 mm in width, to the ends of the profiles with a single ring shank nail or screw that is at least 50 mm from the end of each support point. Pre-drill the holes.
12. The minimum distance to the side of the section is 15 mm.
13. Wood façade cladding applied to an external shed must always be fastened with two fasteners at each support point. Because of moisture penetration, the façade sections of single-walled external sheds must be as wide as possible.
14. For closed façade cladding, maintain a clearance width of 4 mm between the overlapping sections.

15. Apply façade sections of open façade cladding with a clearance of 7 to 10 mm between the sections.
16. Keep the wood sections 7 to 10 mm clear from connecting structural parts. This also applies to the space between the two crosscut edges of the façade sections (butt joint - Figure 8).

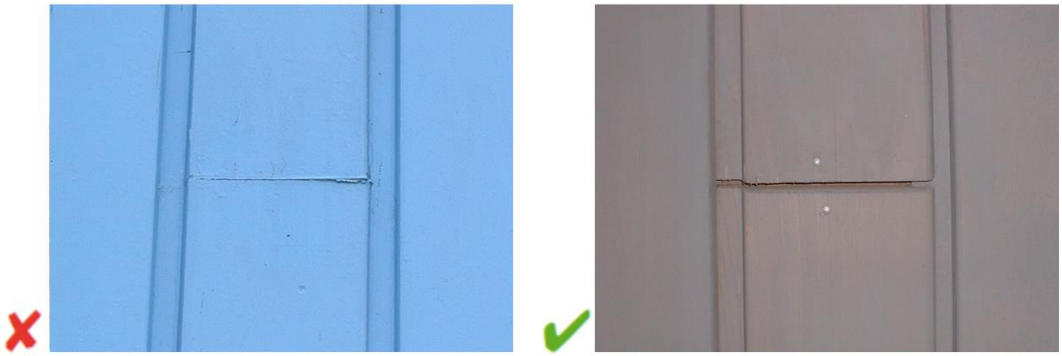

Figure 8 - Butt joints incorrectly installed (Source: Centrum Hout, 2024)

Maintain a space of 7 to 10 mm

17. Prevent seepage at the crosscut edges of vertically applied façade cladding, by chamfering them.
18. At the bottom, keep a distance of at least 100 mm between the wood and ground level, and ensure that a weathering profile is fitted with a gradient of at least 15°. The weathering profile must protrude at least 15 mm from the front of the façade. Maintain a space of at least 10 mm between the façade section and the Z-profile in connection with ventilation (Figure 9). Furthermore, ensure that the ends are sealed properly, too. When positioning the façade section from 300 mm above the ground level, the weathering profile may be omitted (Figure 10). If the wood has been treated with a finish that has a 10-year warranty (see Warranty Conditions NCS and Color), the minimum distance between the ground level and the bottom of the treated wood must be at least 300 mm.
19. Chamfer the crosscut edge of the façade section inwards at the bottom, as a weathering edge.

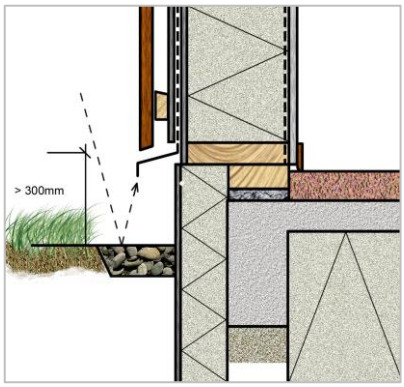

Figure 9 (Source: Centrum Hout, 2024)

Figure 10 (Source: Centrum Hout, 2024)

Finishing work

20. After installation, a final (third) coating must be applied to the façade sections that have been provided with a permanent colour finishing. This does not apply to finishings covered by the warranty and the oil-based variants.
21. Damages to all finishing work must always be touched up with the applied finishing.
22. When using film-forming, transparent and opaque coating systems, the wood must always be finished in every direction with minimum coating thicknesses as prescribed by the coating manufacturer.

More information on finishings can be found in the Platowood Maintenance Instructions. To do so, please visit our website or contact us.