

Installation instructions

Platowood

To extend the lifespan of the wood and minimise maintenance requirements, correct installation is essential. Platowood cladding must be installed in accordance with the guidelines in the **Timber Cladding Guide published by Centrum Hout**.

Transport and storage (Please note: this also applies on the construction site)

1. Platowood wood must be transported/stored horizontally with care. Ensure that the product is properly supported so that the boards do not bend.
2. To protect the visible sides, the boards are stacked alternately. The top layer is protected.
3. It is important to install the wood as soon as possible after delivery. In the meantime, the wood must be stored in a dry place, with the existing protective film and protection left in place. (Image 1)
4. If the wood has been provided with a coating system, follow the accompanying instructions from the processor. When restacking the boards, place any film between the cladding boards again and ensure that the wood can ventilate. During coating, damaged boards are marked and are always placed on top.

Store in clean, dry (under cover) and ventilated area RH <70%



The wood must be stored in a ventilated, frost-free and covered area. It must be stored in such a way that its specified properties are retained.

Recommendation: maximum storage period of 2 weeks.

Support packs properly



The wood has recently been treated with a coating system that, when exposed to an outdoor temperature of 20 degrees Celsius, requires several weeks to cure fully. Bending the wood can create stresses that increase the risk of damage.

Do not stack packs of wood



The wood has recently been treated with a coating system that, when exposed to an outdoor temperature of 20 degrees Celsius, requires several weeks to dry fully. Stacking the wood can create stresses that increase the risk of damage.

Position the forklift forks correctly



Ensure that the forklift forks are positioned sufficiently far apart when transporting large and/or long packs (5,100–5,400 mm). The packs must not bend. Bending the wood can create stresses that increase the risk of damage.

Image 1: Storage instructions supplied

Installation

1. Ensure sufficient ventilation behind the cladding. This applies to both horizontal and vertical cladding. Ensure sufficient ventilation openings at the top and bottom of the façade (image 3). [All images are taken from our installation video.](#)

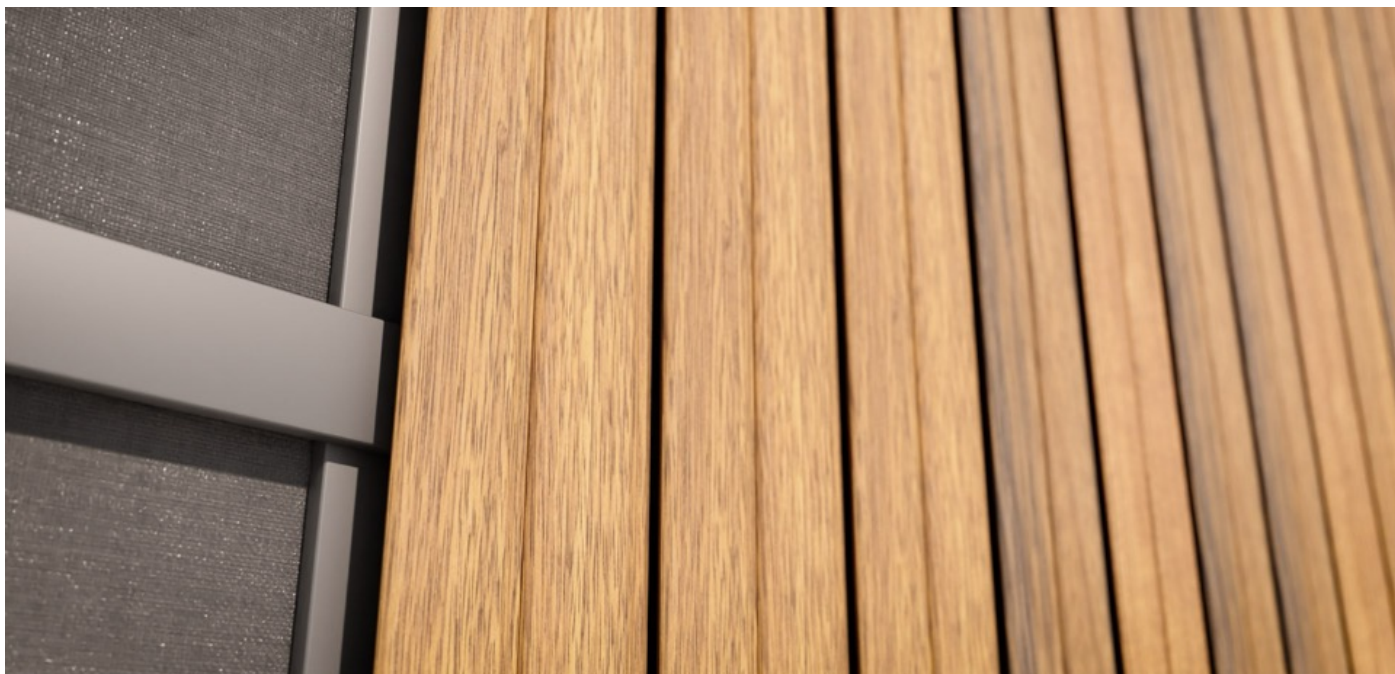


Image 2: Ventilation openings between and behind vertical cladding

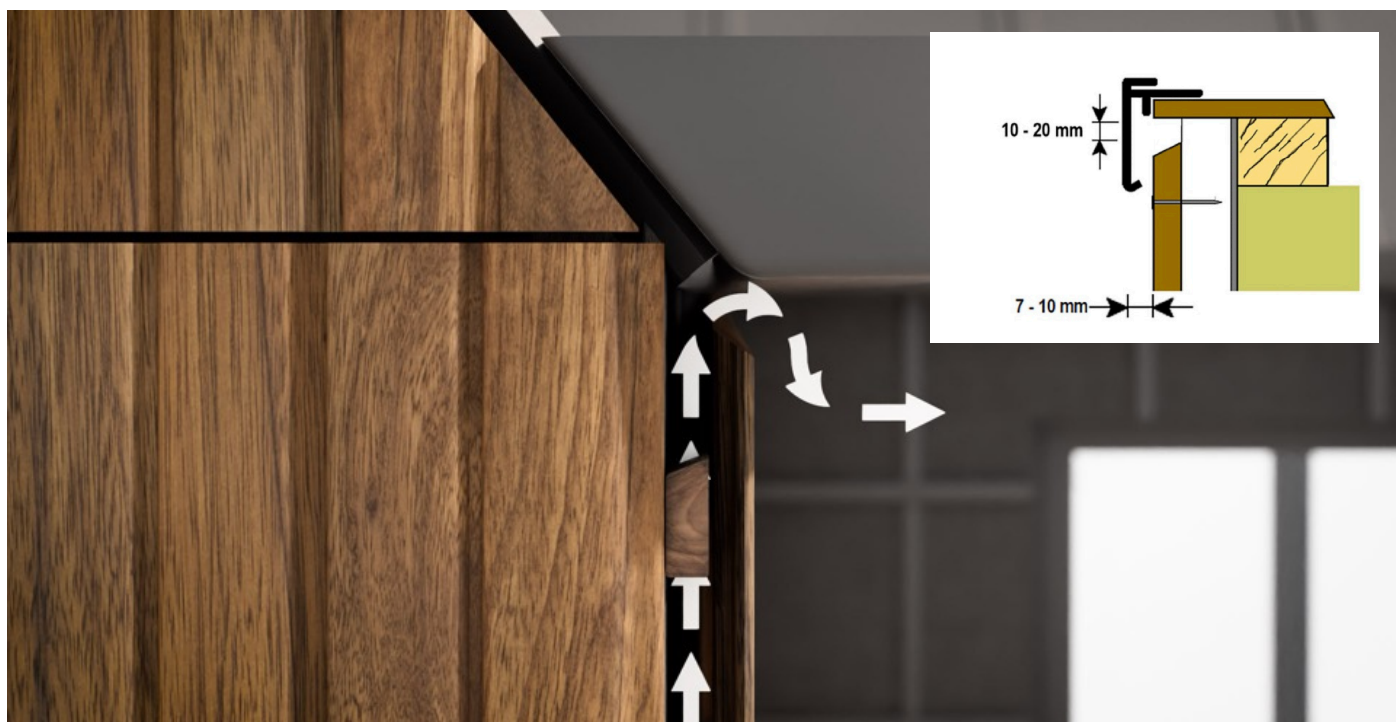


Image 3: Ventilation openings at the top and bottom of the façade

2. For vertical cladding, a double batten framework is required (image 4). The horizontally installed battens must be bevelled inwards at the top (by at least 20 degrees) so that moisture drains into the cavity. The ventilation cavity must be at least 15 mm wide.

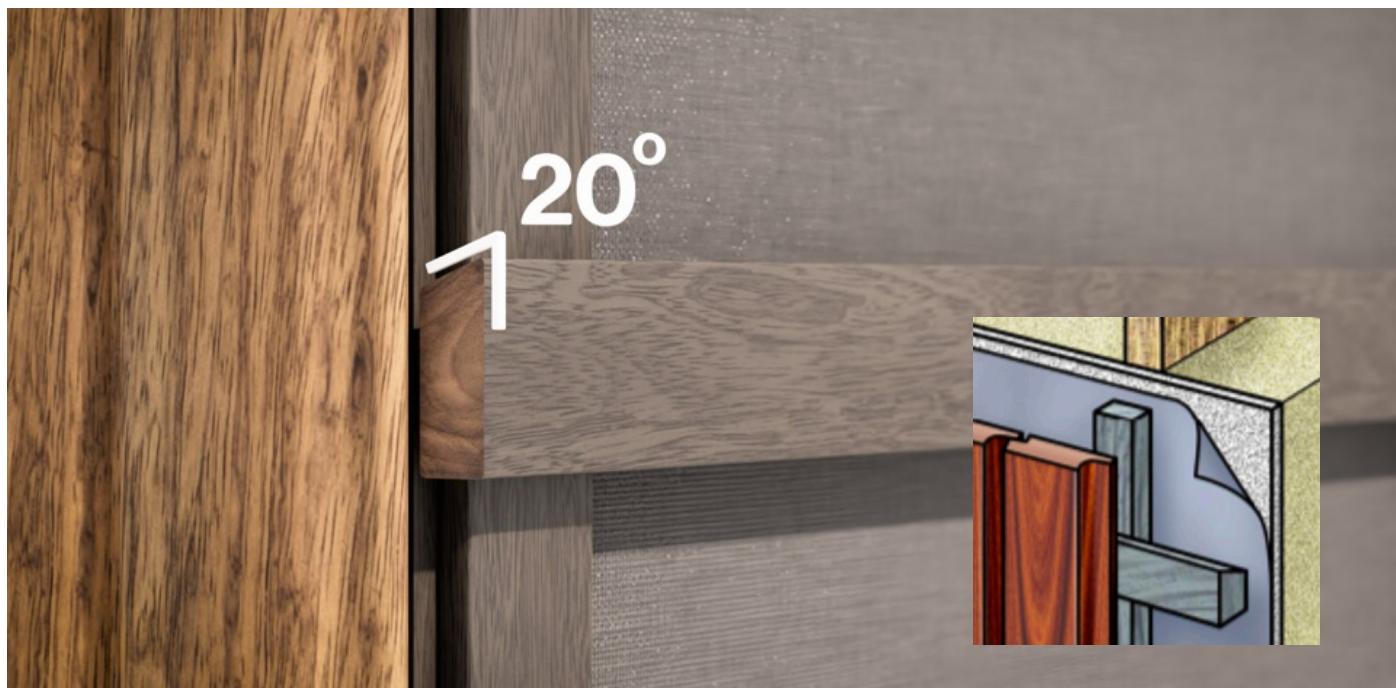


Image 4: Double batten framework for vertical installation, correctly bevelled towards the cavity

3. The batten spacing is generally 60 cm. However, if a very sleek appearance is required, a centre-to-centre spacing of 40 cm is recommended. Where cladding profiles meet lengthwise, preferably install a wider batten or two battens.

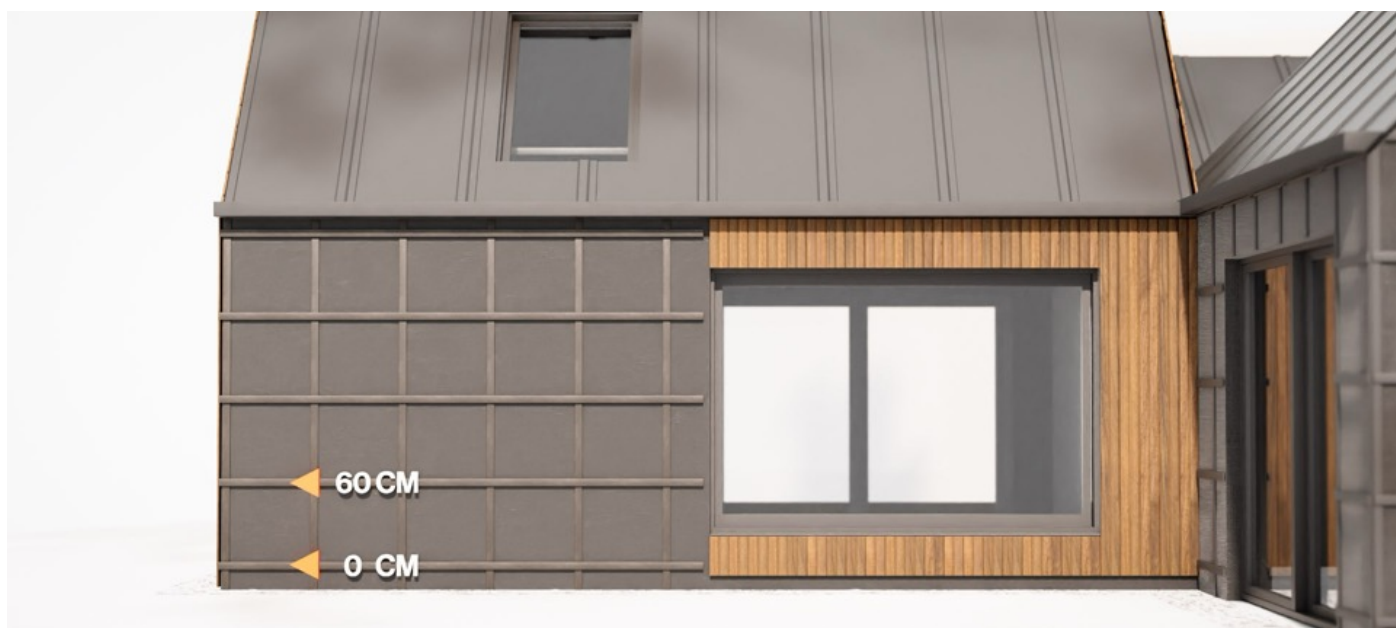


Image 5: Batten spacing for installing cladding

4. For cladding installed using stainless steel annular ring-shank nails with rounded heads, the battens must be at least 27 mm thick. When using stainless steel screws, the battens must be at least 18 mm thick. Contact a fastener supplier for advice on the required screw or nail thickness.

Profile cladding	Fastening length (x thickness of the part to be installed)		Position of the nail or screw in the board when using one fastener per board
	Nail	Screw	
Platonium 01 (channelsiding) Platonium 02 (channelsiding with false rebate) Platonium 03	2.5	2	25 mm from the side of the board
Platonium 04 (Swedish rebate)	2.5	2	45 mm from the overlapping side (when installed horizontally)
Platonium 05 (planed on four sides) Platonium 07 (rhombus)	2.5	2	In the centre of the board
Platonium 10 (tooth profile)	N/A	2	Through the thickest part of the profile
Platonium 11 & 12 (tongue and groove for concealed fastening)	2.5	2	Perpendicularly through the thickest part of the tongue. Pre-drill the ends.

Table 1: Minimum fastening length of nail or screw

Cladding

1. Before installation, seal the end grain of the cladding boards twice with a suitable sealer. Contact Platowood for information about the correct sealer.



Image 6: Use of an end-grain sealer for all bevelled ends

2. Fasten the wooden boards with stainless steel (SS) annular ring-shank nails or screws (raised countersunk or round head). The heads of the annular ring-shank nails or screws must sit flush with the surface of the wooden board. They must therefore not be countersunk. If the nail or screw penetrates the surface, it creates an opening through which water can easily enter the wood.



Image 7: Do not drive or screw fasteners below the surface of the wood, to prevent water ingress

3. For Platowood Spruce: install the wooden boards with the sapwood side (bark side) as the visible side, or front. For profiles that can be used on both sides, such as P01, P05 and P07, this can be identified by the growth rings on the end grain. As this is not always clearly visible, the reverse side of these profiles is marked. This makes it immediately clear which side should face the rear.
4. Fasten an open-joint cladding board less than 120 mm wide with one fastener at each support point, at least 50 mm from the end. Fasten boards wider than 120 mm with two fasteners. Pre-drill the holes to prevent splitting. The minimum distance from the side of the board is 15 mm.
5. Wooden cladding installed on an outdoor storage building must always be secured with two fasteners at each support point, as the cladding contributes to the rigidity of the entire structure. To prevent moisture penetration, the cladding boards used for single-skin outdoor storage buildings should be as wide as possible.
6. For closed cladding, maintain a 4 mm gap between the overlapping boards (image 7).
7. Install open-joint cladding boards with a gap of 7 to 10 mm between them.

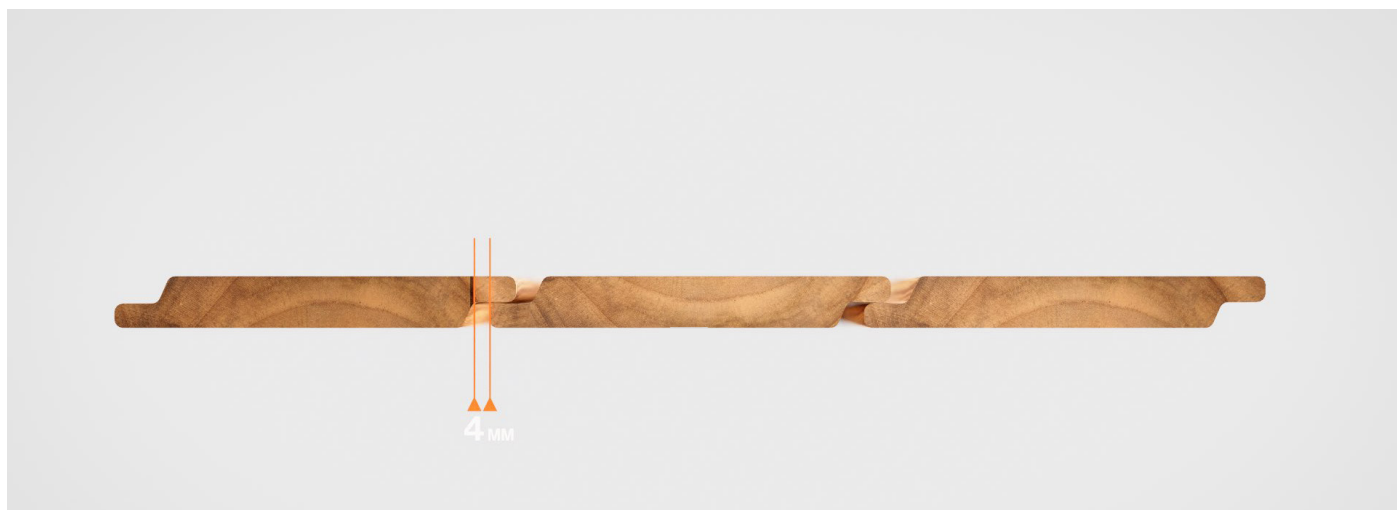


Image 8: Maintain a gap of at least 4 mm between the cladding boards to allow for movement.

8. Maintain a clearance of 7 to 10 mm between the wooden boards and adjoining structural components. This also applies to the gap between the end grain of two cladding boards (image 9). We recommend always maintaining a gap of at least 10 mm to accommodate any settlement of the façade over time. Sufficient ventilation is particularly important for fire-retardant treated wood.

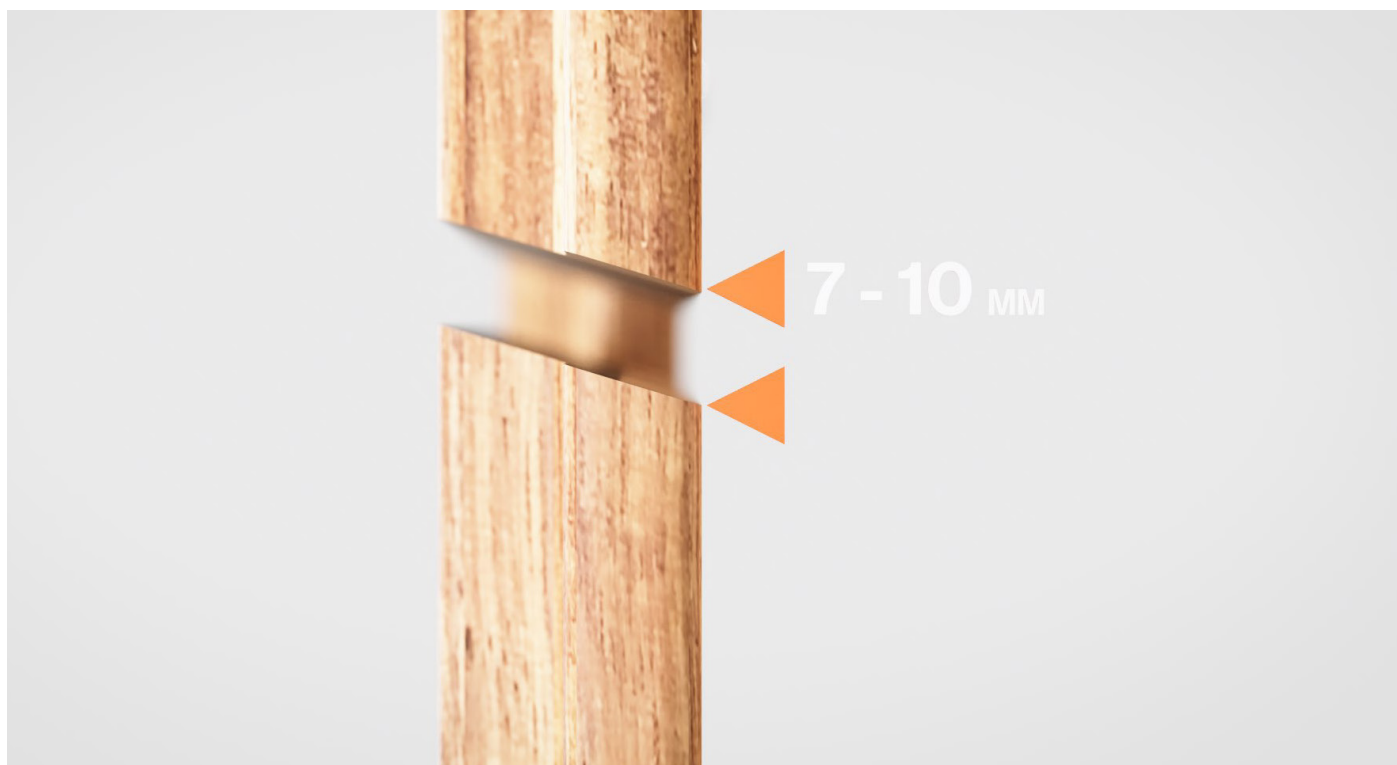


Image 9: Maintain a gap of at least 7–10 mm between vertical cladding boards for ventilation and drainage.

9. Prevent water ingress into the end grain of vertically installed cladding by applying a bevel with a minimum slope of 15 degrees (images 6 and 9).
10. Ensure sufficient space above and between the roof trim and the cladding board to provide adequate ventilation (image 4).
11. If the distance between the wood and ground level is less than 300 mm, install a flashing profile at the bottom with a minimum slope of 15 degrees. The flashing must project at least 15 mm beyond the front of the façade. Maintain a gap of at least 15 mm between the cladding board and the Z-profile to ensure sufficient ventilation (image 10). When using a flashing profile, the façade can extend up to 100 mm above ground level. Also ensure that the end grain is properly sealed. If the cladding boards are installed more than 300 mm above ground level, the flashing may be omitted.



Image 10: Z-profile with sufficient ventilation space (15 mm)

By following the installation guidelines in this document, you will ensure that Platowood wood lasts for many years. If you have any questions about this document, please contact info@platowood.nl