



INSTALLATION GUIDE: Cladding on an outdoor wall

The following serves as a guideline on how to install Rhino Wood for cladding applications. Should these instructions not be adhered to Rhino Wood cannot guarantee that your cladding will perform as expected.

BEFORE USE: Storage

Rhino Wood is specifically manufactured to be an outdoor product, however we still recommend that Rhino Wood is stored away from sun or rain. Indoor storage is ideal, but if stored outdoors please cover with a waterproof covering. Do not stack directly on the ground and ensure that there is adequate ventilation and drainage.

This will avoid any damage to the product before the start of the build.

THE BUILD: Substructure on wall area

Cladding should not be attached directly to a wall. Batons (Substructure) should be installed onto the wall first.

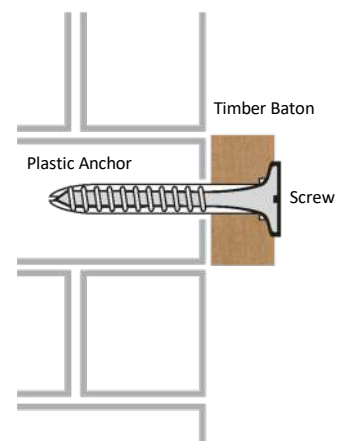
Recommended material for batons:

- Pressure treated timber (CCA) Minimum H3 Class
- Galvanised steel or aluminium
- Rhino Wood

The baton dimensions should be 20mm x 40mm or 30mm x 30mm

Fixing method of baton:

- A masonry stainless steel screw with an anchor plug is required.
- Pre-drilling is essential
- For the 20mm / 30mm batons a minimum 45mm screw is required.



THE BUILD: Preparing the timber



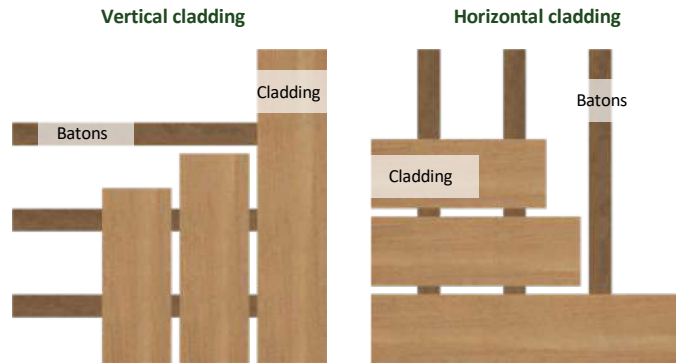
When installing and cutting cross sections, these 'exposed' surfaces do not require additional treatment or sealing. Rhino Wood is modified at a cellular level through to the core, resulting in zero durability weak spots when cutting or fixing on site.

Additionally, you will not need to sand and seal the cladding in order to protect it from fungal decay and termites.

THE BUILD:

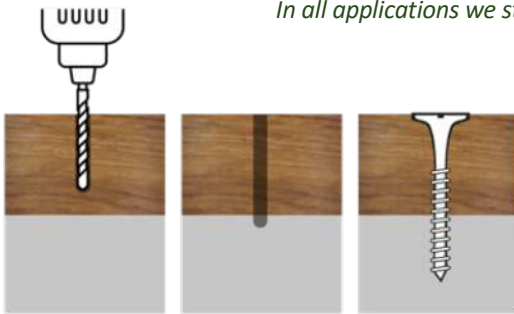
LAYING THE CLADDING

Our cladding boards can be used vertically or horizontally.



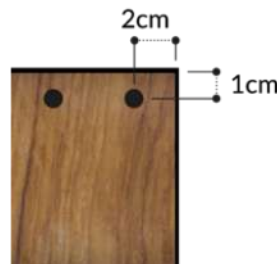
TOP FIXING - RECOMMENDED

In all applications we strongly recommend top fixing for best fixing results.



1. Pre-Drilling

Pre-drilling a pilot hole prior to fixing Rhino Wood (in all applications) is required. Screwing down the boards without pre-drilling may result in the boards cracking



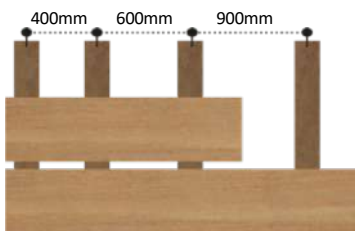
2. Fixing Placement

Drill 2 holes - recommended to be 1cm from the top and 2cm from the side edges.



3. Fixings

Stainless steel fixings are recommended for all installations.



4. Recommended joist spacing for vertical and horizontal cladding c/c (centre to centre)

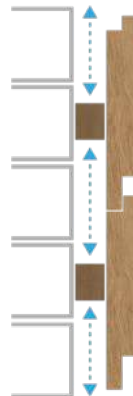
13mm thick Rhino Wood (400mm max joist-spacing)

20mm thick Rhino Wood (600mm max joist-spacing)

27mm – 30mm thick Rhino Wood (900mm max joist-spacing)

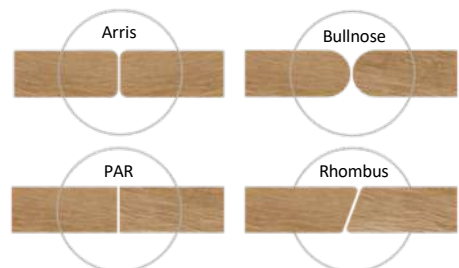
5. Ventilation

Adequate ventilation, drainage and moisture run-off in all applications needs to be considered.



6.1 Gaps between boards

This will depend on what profile is being used.



A minimum gap between the boards of 5mm in essential Joist-spacing is as per point 4.

6.2 Gaps between boards



A 5mm gap needs to be left on the perimeter of the structure as per diagram to the right.



HIDDEN FIXING

Hidden fixing for cladding can only be used on a 20mm or thicker board.
Hidden fixing is used for the following profiles.



1. Boards will be supplied pre-grooved.

The gaps will be prescribed by the clip system used.
Recommended clips for hidden fixing: Only use the following hidden-fixing systems:

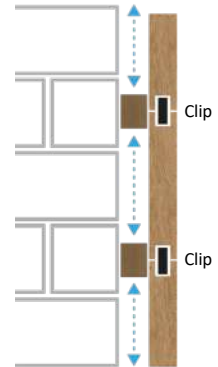
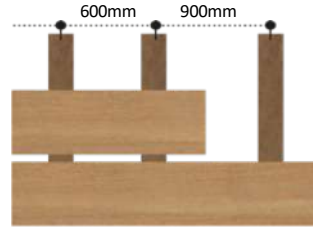
- Easy Clip (Inland and coastal)
- Ipe Clip (Inland and coastal)

Inland screws are to be used inland and specialised coastal screws are required for coastal areas.



2. Recommended joist spacing for vertical and horizontal cladding c/c (centre to centre)

20mm thick Rhino Wood (600mm max joist-spacing)
27mm – 30mm thick Rhino Wood (900mm max joist-spacing)



3. Ventilation

Adequate ventilation, drainage and moisture run-off in all applications needs to be considered.

AFTER BUILD: Maintenance



Rhino Wood will naturally weather to a silver / grey patina when exposed to sunlight. In fully exposed sun the material takes 6 – 9 months to fully weather grey. This would remain its colour for the duration of its lifespan.

Varnish should never be used, but penetrating oils may be used. Washing your cladding with sugar soap, water and a soft bristle brush is advised.

Please see our detailed Maintenance guide for further important information on maintaining your cladding.

For more information on Rhino Wood or to find stockists in your area please look at our website or find us on Instagram and Facebook.

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Rhino Wood received the World Wide Fund (WWF) Climate solver award. This award recognises businesses that are developing and commercialising innovations that reduce carbon emissions and boost energy access around the world.



Rhino Wood supports responsible forestry. Please request FSC® certified products when speaking to our sales team.

