



QUICKBOARD RANGE INSTALLATION GUIDE

VJ | Castellated | Convex | Wave | VJ-Crown Reversible

1300 366 938 | permacomposites.com

TABLE OF CONTENTS

General Guidelines and Precautions Quickboard	3
Storage	3
Components	4
Cutting	5
Fixings	5
Expansion Table	6
Installation Steps - QuickBoard™ Composite VJ	7
Installation Steps - QuickBoard™ Composite Castellated	8
Trims	9
Butt Joints	9
Installation Steps - QuickBoard™ Composite Convex, Wave, and VJ-Crown Reversible	10
Maintenance	11



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or visiting [www.permacomposites.com/
brochure-installation-guide-library/](http://www.permacomposites.com/brochure-installation-guide-library/)



GENERAL GUIDELINES AND PRECAUTIONS

Read guide completely before commencing installation.

Correct installation of PermaTimber® QuickBoard™ will provide years of enjoyment. This product is a ceiling lining that is perfect for ceilings, eaves, interior patio and alfresco lining. Quick and easy installation with low maintenance.

Please ensure that you have read these instructions thoroughly prior to and during installation. Failure to adhere to the installation guidelines will void your warranty. PermaTimber® QuickBoard™ is not suitable for use in direct sunlight or where subject to strong reflective sunlight.

PermaTimber® QuickBoard™ panels are inspected for quality before packaging and shipping. Any defects or damages should be reported to the retailer immediately for inspection. We cannot accept responsibility for panels installed with defects.

The nature-inspired texture finish of PermaTimber® QuickBoard™ is similar to that of natural surfaces. We recommend laying out panels prior to installation in order to obtain a uniform overall finish.



Failure to adhere to the following points may void your warranty.

PermaTimber® warranty information can be found at <https://www.permacomposites.com/warranty/>

- Installation must be completed in accordance with this guide and all instructions are to be read clearly prior to installation.
- PermaTimber® QuickBoard™ can vary slightly in colour. For large projects please ensure all materials are ordered together to guarantee that materials are from the same batch. If boards on-site are from different batches, contact your local distributor before installation. Please note that any colour variation is not covered under warranty claims.
- PermaTimber® do not recommend mixing 2.7m and 4.8m packs in the same area of installation.
- The customer/ installer is responsible for inspecting each panel for colour, finish, size and other issues prior to installation.
- PermaTimber® QuickBoard™ can be installed under a steel roof, however a thermal barrier and a minimum gap of 300mm is required. If you have polycarbonate/ clear roof sheets, replace with tin or steel prior to installation.
- Failure to provide clearance gaps to allow for expansion and contraction will void your warranty.
- All fixing points near electrical sources should be safe and isolated from power. Use a licensed electrical contractor.
- This product is not suitable for exposure to direct or highly reflective sunlight.

STORAGE

PVC wall lining should be stored in a dry, well-ventilated area, away from direct sunlight and sources of heat. Store the panels on a flat, stable surface to prevent bending or distortion. Avoid placing heavy objects on top to maintain their shape.

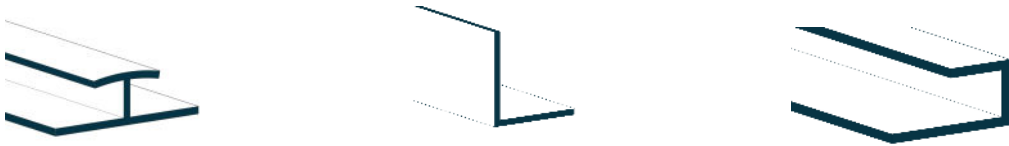
Important:

- Do not store PVC wall lining in areas where temperatures exceed 60°C
- Keep away from direct flame or high heat sources
- Store indoors or under cover

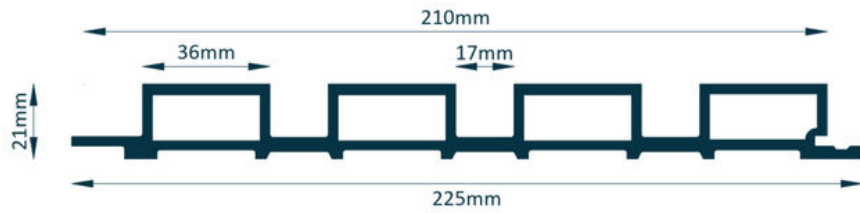
COMPONENTS



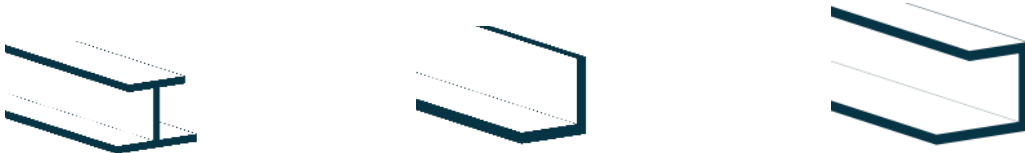
VJ - Trims



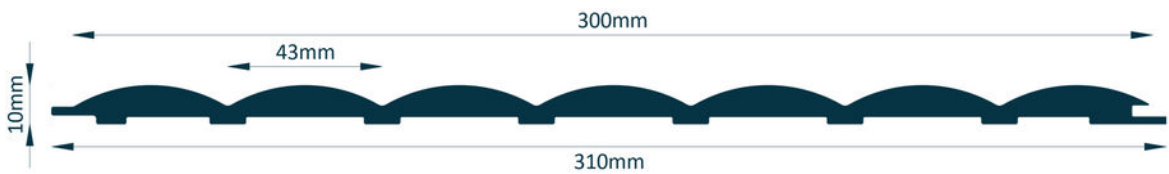
Castellated



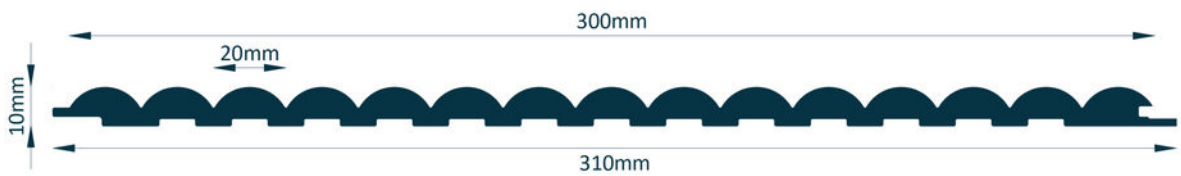
Castellated - Trims



Convex 40



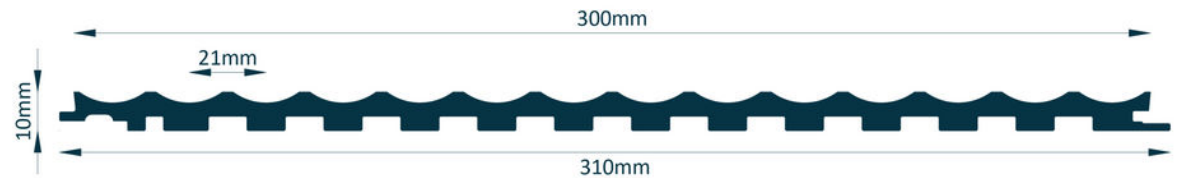
Convex 20



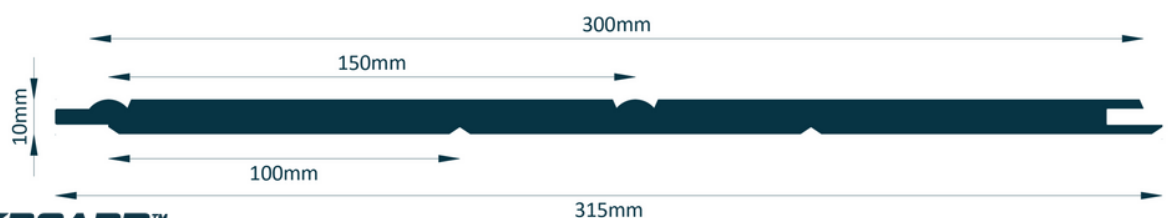
Wave 45



Wave 22.5



VJ-Crown Reversible



CUTTING

PermaTimber® QuickBoard™ panels can be cut along their width and length using basic wood working tools. (i.e. jigsaw with a fine-tooth blade or a fine-tooth drop saw). When measuring for cutting, allow 1mm per 1m length for expansion and contraction of panel across the end of each board.

Please ensure that PermaTimber® QuickBoard™ is not installed hard up against a rigid surface at the end of the board and allow a minimum gap. See *Expansion Table* on page 5 for minimum gapping requirements.

Make allowance for contraction and expansion depending on the temperature at the time of installation. Use PermaTimber® QuickBoard™ trims to cover the expansion gaps at ends and sides.

If ambient temperature is high, allow for a certain amount of expansion and contraction. See *Expansion Gaps* on page 5 for more information.

Cut outs for down lights and fans can be done with a hole saw going through the product slowly and steadily.

FIXINGS

PermaTimber® QuickBoard™ should be fixed onto ceiling joists at no greater than 600mm centres. When fixing we suggest using the following:

SCREWS & CLIPS

Needle point 6 or 8 gauge by 13mm counter sunk screws or equivalent.

Clips are supplied in our QuickBoard™ 2.7m and 4.8m packs.



OPEN BEAM ROOF

It is recommended to install extra battens across sections with a longer span if ceiling battens are greater than 600mm apart.

Batten size will vary with each specific project.

DOWN LIGHTS

Ensure entire working space is safe and isolated from power when working in close proximity to electrical sources.

We recommend using QuickBoard™ with LED down lights. This is due to LEDs tending not to overheat and warp the product.

Use a hole saw with hole cut greater than down light size to cut holes for lights.

Pair LED down lights with PermaTimber® QuickBoard™ for a sleek finish.

Light fittings should be installed according to manufacturers guidelines and by a licensed electrical contractor.

PermaTimber® QuickBoard™ must not be fixed directly to roof purlins or any building components that could become hot, such as metal roofing or areas exposed to significant sunlight. If fixing directly to a steel wall or frame is unavoidable, an R-rated thermal barrier and wall blanket insulation are required to prevent heat and expansion from transferring to the QuickBoard™. In situations where a minimum 300mm cavity cannot be achieved, the cavity should be filled with at least an R3.5 ceiling batt. It is the customer's responsibility to ensure that clips are not fixed to the steel, as this could facilitate heat transfer.

EXPANSION TABLE

Depending on the temperature exposed, PermaTimber® QuickBoard™ will expand and contract linearly.

However, due to its unique material composition, the effect of these gaps are minimal.

i.e. only expands/ contracts 2.4mm/metre at over 40°C temperature change.

The unique tongue and groove method with special fixing clips mitigate expansion effects considerably. During installation, it is however important to take note of the ambient temperature and adjust expansion joints accordingly.

i.e. 4.8m panel installed at 20°C can expect to expand by 7mm when the ambient temperature reaches 45°C.

Please refer to the expansion table below before and during installation. **Failure to follow provided gap allowance for expansion/ contraction during installation will void your warranty.**

Gapping Requirements Per Metre	
Ambient Temperature (°C)	Expansion/ Contraction (mm)
45	1.5
40	1.2
35	0.9
30	0.6
25	0.3
20	0
15	-0.3
10	-0.6
5	-0.9
0	-1.2

INSTALLATION STEPS

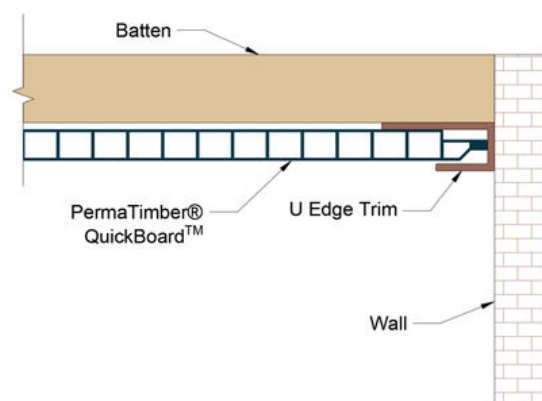
QUICKBOARD™ COMPOSITE VJ

STEP ONE

Install the U Edge Trim or Corner Cove on the starting edge and one adjoining edge using recommended screws.

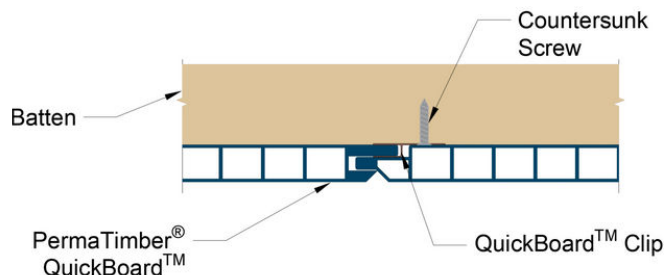
STEP TWO

Slot the tongue edge into the trim allowing a 1mm gap for thermal expansion.



STEP THREE

Fix PermaTimber® QuickBoard™ VJ into place ensuring panels are screwed into the ceiling joists every 600mm. Attach the fixing clip (included) to the grooved edge and fix with screw into joist. Slot tongue into the next panel.



STEP FOUR

Continue the above process to join all PermaTimber® QuickBoard™ panels to the ceiling until you have covered the entire surface.

STEP FIVE

Ensure your choice of trim is placed along the length of the panel before installing to the ceiling when fitting the last PermaTimber® QuickBoard™ panel.

STEP SIX

Fix the last panel of PermaTimber® QuickBoard™ with screws.

STEP SEVEN

Allow adequate space for installation of U Edge Trim to conceal the screws. Allow a 1mm gap for thermal expansion.

STEP EIGHT

Cut EA Trim into a suitable size and glue down with a suitable builder's PVC tolerant construction adhesive to fix the last panel in place (gluing should only happen for the last panel, the rest of the panels should be screwed).

STEP NINE

It is recommended to support trim with painters tape until glue has dried on the last panel.

STEP TEN

Carefully remove painters tape and enjoy your new look.

INSTALLATION STEPS

QUICKBOARD™ COMPOSITE CASTELLATED

STEP ONE

Install the U Edge Trim on the starting edge and one adjoining edge using recommended screw fixing method.

STEP TWO

Cut off the tongue edge of the first panel.

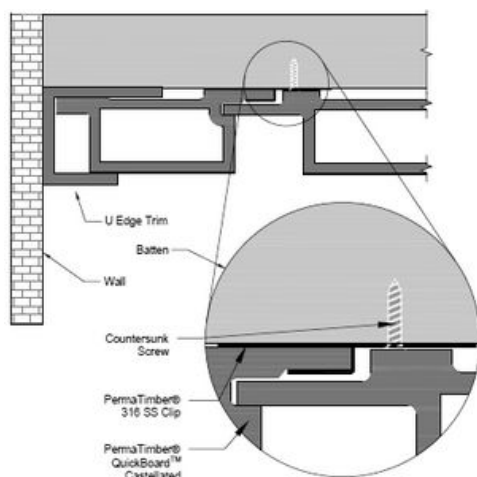


STEP THREE

Fix your first panel as shown in Figure 2.0. Slot the tongue edge into the trim allowing a 1mm gap for thermal expansion. *Refer to Expansion Table.*

STEP FOUR

Fix PermaTimber® QuickBoard™ Castellated into place ensuring panels are screwed into the ceiling joists every 600mm. Attach the fixing clip (included) to the grooved edge and fix with screw into joist. Slot tongue into the next panel.

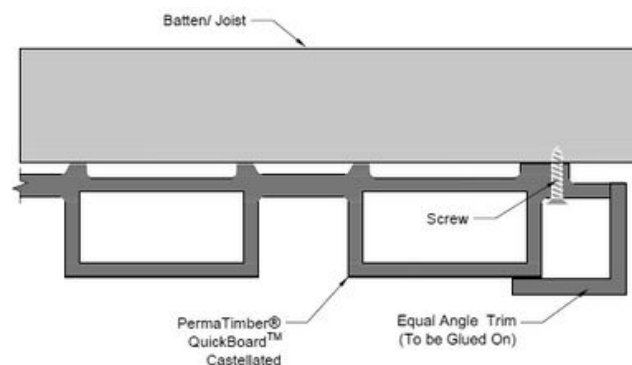


STEP FIVE

Continue the above process to join all PermaTimber® QuickBoard™ Castellated panels to the ceiling or wall until you have covered the entire surface.

STEP SIX

Cut 4mm off the wall edge of the last panel to allow adequate space for installation and the last board need to be finished off with a screw. Once you finish off your last board, the equal angle trim is used to cover any fixing.



STEP SEVEN

Equal Angle Trim should be glued down with builders PVC tolerant construction adhesive to fix the last panel in place (gluing should only happen for the last panel, the rest of the panels should be screwed). Refer to Figure on Step Seven.

STEP EIGHT

It is recommended to support trim with painters tape until glue has dried on the last panel. (Optional)

STEP NINE

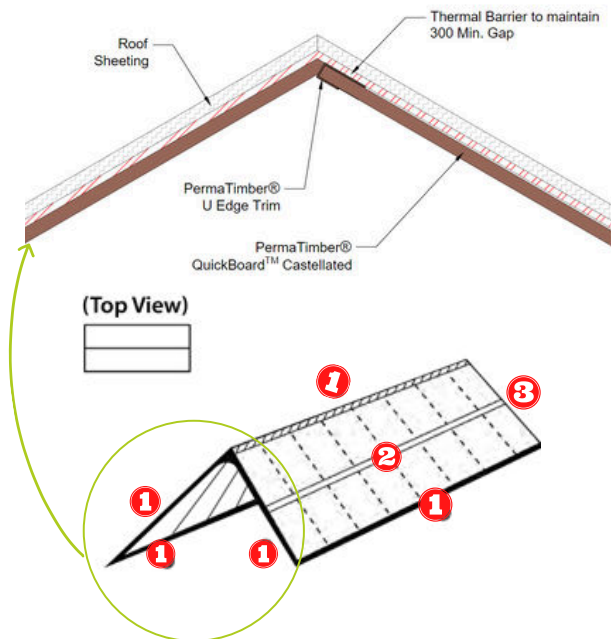
Carefully remove painters tape and enjoy your new look.

TRIMS

PermaTimber® QuickBoard™ can be used for different applications. In each application it is important that the appropriate trim is used.

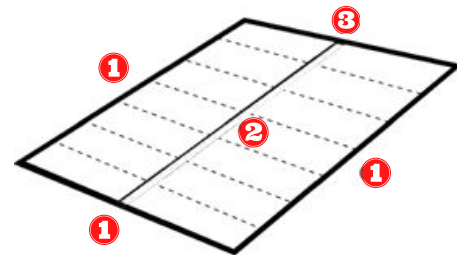
GABLE/ PITCHED

1. U Edge Trim - used for all exposed edges
2. H Joint Trim - required for long pitches
3. U Edge Trim (Can be cut for L edge)



FLAT ROOF

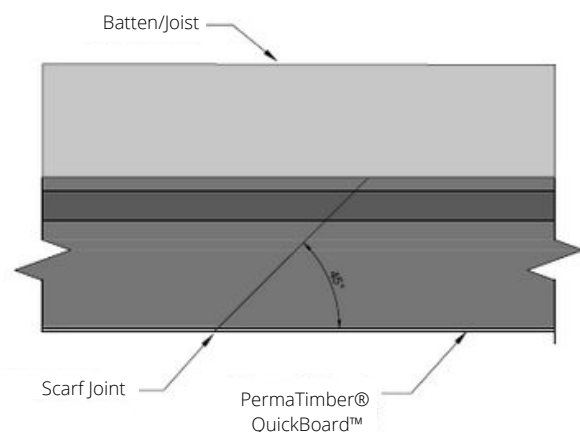
1. U Edge Trim
2. H Joint Trim - Once one board has ended
3. U Edge Trim (Can be cut for L edge)



BUTT JOINTS

H-Joints can be used to join panels in longer runs and need to be all in one line. The use of a butt joint on the panels is possible, however, ensure the join is on a batten. A clean straight cut is required for a straight joint or alternatively a 45° scarf cut can be used.

Note that a maximum of 1 butt can be used per run. A H-Joint is required if there are more joins.

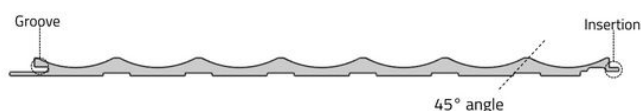


INSTALLATION STEPS

QUICKBOARD™ COMPOSITE CONVEX 20, CONVEX 40, WARE 22.5, WAVE 45, VJ-CROWN REVERSIBLE

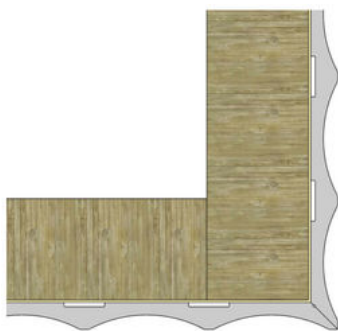
STEP ONE

Install the wall panels starting at the external corner. Cut the initial piece's insertion at any point with a 45° angle. Keep the two pieces in the same position while cutting as shown in the figures below.



STEP TWO

Apply structural adhesive to the external corner to support in fixing the initial piece of the wall panel.



STEP THREE

After covering the external corner, carefully apply a little bit of woodworking adhesive to the seam if required. If the adhesive is applied too thickly, wipe it off with a dry cloth immediately.

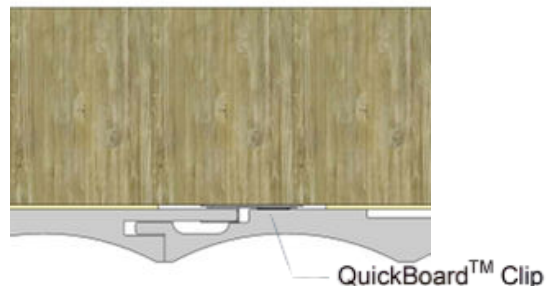
STEP FOUR

Install the wall panel with PermaTimber Clips (included) at 600mm max spacing using screw. *Needle point 6 or 8 gauge by 13mm sunk screw, or equivalent recommended.*



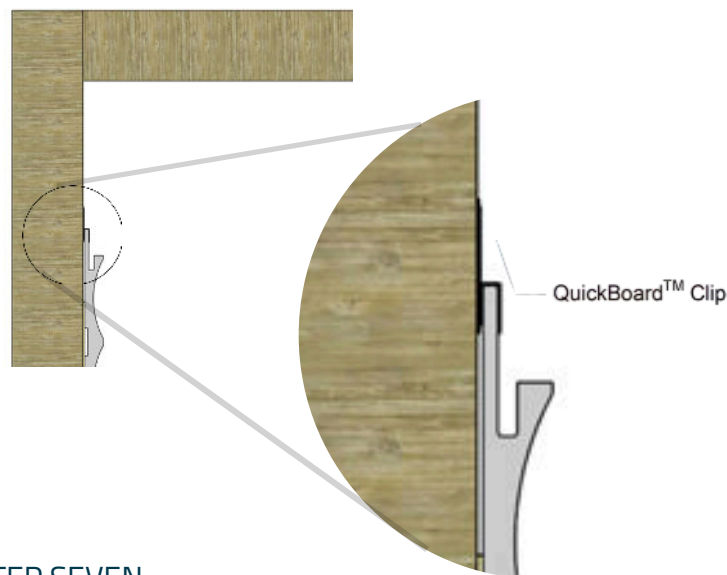
STEP FIVE

Install the following wall panels, and so on.



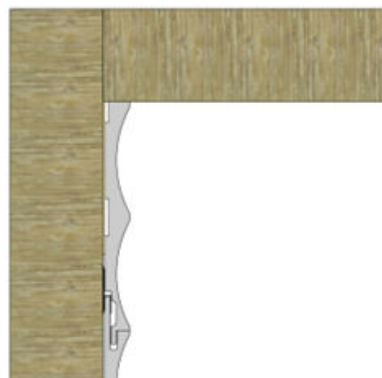
STEP SIX

Measure the size of the remaining space from the second last wall panel to internal corner first. Cut the wall panel to the appropriate size. (Consider the size of insertion and groove)



STEP SEVEN

Install the well-cut wall panel and fix it with structural adhesive.

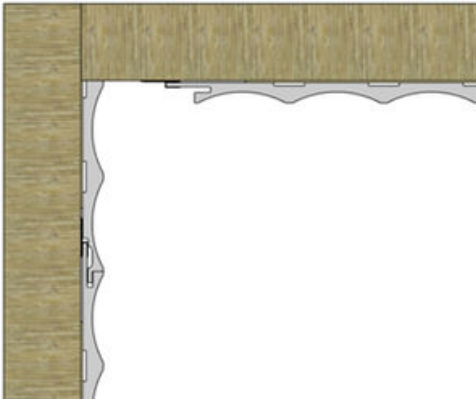


INSTALLATION STEPS

QUICKBOARD™ COMPOSITE CONVEX 20, CONVEX 40, WARE 22.5, WAVE 45, VJ-CROWN REVERSIBLE

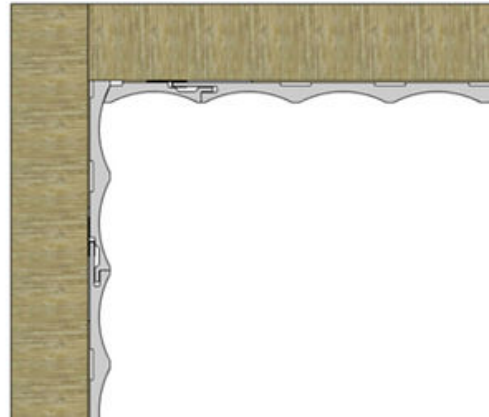
STEP EIGHT

Measure the size on the other side and cut the wall panel.



STEP NINE

Placing the wall panel in place after applying structural adhesive




STEP TEN

After covering the internal corner, carefully apply a little bit of woodworking adhesive to the seam if required. If the adhesive is applied too thickly, wipe it off with a dry cloth immediately.

MAINTENANCE

PermaTimber® QuickBoard™ does not require any ongoing maintenance. If needed, product can be cleaned with a damp cloth or washed off with a low pressure hose. **Do not use pressure hose/sprayer.**



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 info@permacomposites.com

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