

Information and Installation Instructions

Intrim VJ Board Pro

INTRIM®
Architectural timber mouldings & profiles

Acclimatisation of Product Prior to Installation

- Intrim VJ Board Pro sheets must be delivered to a building site after lock up stage, including all external windows and doors installed, fully roofed and external cladding completed, at least 2 days prior to installation. They should be stored within the building close to where they are to be finally fixed to minimise the impact of the surrounding elements including moisture content, and in order for the sheets to acclimatise.
- It is preferable to lie them flat in a low traffic area for their safety with the top sheet placed upside down to keep the top sheet clean.

Framing Required for Installation

Walls:

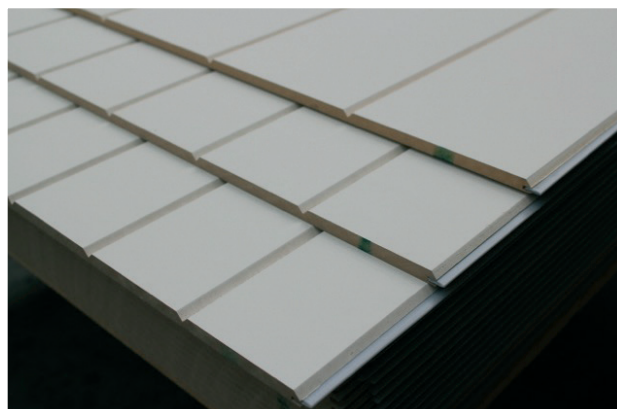
- Maximum spacing of 450mm centres shall apply to all vertical wall framing studs and horizontal frame members, including noggins or trimmers, which shall have a maximum spacing of 600mm centres to support the sheet joints that don't fall directly on a stud.
- Where chair rail is used, a continuous row of framing noggings needs to be provided to allow the fixing of the top of the chair rail, bottom of the plasterboard and the chair rail.

Ceilings:

- The Intrim VJ Board Pro ceiling sheets must be fixed to subframe members, including ceiling joists, bottom chords and battens, installed at a maximum spacing of 450mm to centrelines.

Tools and Equipment

- Measuring tape or folding rule
- Handsaw or an electric circular saw
- Carpenters pencil
- Hand or electric planer
- Bubble or laser level
- Intrim dripless caulking gun
- Intrim high tack adhesive
- PVA Wood glue



- Builders line
- Dust mask
- Fixing gun or hammer
- 38mm long fixing nails or screws
- Safety glasses or protective eyewear

Important Information for Installation

1. It is critical to ensure that the first wall sheet on each wall is plumb (use a spirit level) – otherwise the vertical grooves will not be parallel to windows and doorways. The edge in the corner may need to be trimmed or planed to allow this.
2. When installing wall sheets to the lower portion of the wall, a 9mm minimum space is required at the bottom ends of the sheets to allow for movement (mainly expansion and contraction). It is handy to use 9mm thick packer material (Intrim VJ Board Pro off cuts are great for this use), between the top of floor surface and bottom end of sheets, to assist with installation of sheets.
3. Nails and screws must be fixed away from the sheet edges to minimise damaging the edges of the sheets.
4. ALWAYS use suitable PPE including dust/face mask, safety goggles and ear muffs when cutting sheets and make sure all dust is vacuumed up daily.

Where to Start Installation

- If sheeting both ceilings and walls, it is best to fix the ceiling sheets first. This will then set the sheet position for the end walls – it looks best if the ceiling grooves line up with the wall grooves.
- Before you begin to install your initial wall or ceiling sheet, you need to plan what Intrim corner mouldings and installation method you intend to use to complete your project.
- When sheeting the walls, it is common practice to start installing your initial sheet at an internal or external corner and work around the room from that point.

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Fixing Intrim VJ Board Pro to Framing

1. Intrim can supply a Fix All High Tack Adhesive in cartridges that suit a standard caulking gun. We recommend a continuous bead or spots (20mm diameter x 3mm thick) applied at regular intervals to all framing members, as this minimises vibration in walls. As a guide, approximately ½ tube of adhesive is used per 2.7m sheet. You may also use an equivalent adhesive available through retail outlets. PVA adhesive is used for gluing corners together and mouldings in place.
2. Use 38mm finishing nails or screws that won't rust, and fix to the studs at 600mm intervals and 300mm across the top and bottom of the sheet.
3. Between each sheet at the join, a space of 0.5mm should be left, and where the sheets meet in the corner a 1mm space must be allowed, to minimise any deformity causing appearance defects in the sheets or at the joins, should there be any structural movement after installation. Never force one sheet into the other as this does not allow for any movement and therefore increases the potential for sheet deformity after installation.
4. Leave a gap of approx. 10mm at the top and bottom of each sheet to prevent wicking of water up the sheet and to allow for structural movement.
5. A 9mm minimum space is required at the top and bottom ends of the sheets to allow for movement (mainly expansion and contraction). It is handy to use 9mm thick packer material (Intrim VJ Board Pro off cuts are great for this use), between the top of floor surface and bottom end of sheets, to assist with installation of sheets.
6. Where you are fixing Intrim VJ Board Pro over the original wall lining e.g. plasterboard or lining boards, it is important to nail or screw the sheets through the original wall lining, into the underlying structural sub framework and apply a small bead of Intrim High Tack Adhesive in a diagonal Crisscross formation to the rear face of the sheet you are fixing.

Cutting

You may use a handsaw or an electric circular saw for cutting Intrim VJ Board Pro wall sheets. We recommend that the rear face of the sheet is positioned in a downward direction when using a handsaw, and the rear face of the sheet is positioned in an upward direction when using an electric circular saw, to minimise chip out, and form a neater finish to the cut edge.



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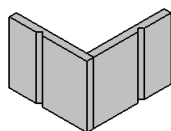
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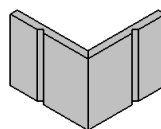
Intrim Corner Moulding Alternatives

When completing Intrim VJ Pro Board in ceiling or wall applications, there are several alternatives to choose from. Below are some typical details of our recommended Intrim moulding alternatives for completing installation of corners and joining ends of sheets. Visit intrimmouldings.com.au to choose mouldings that best suit your application.

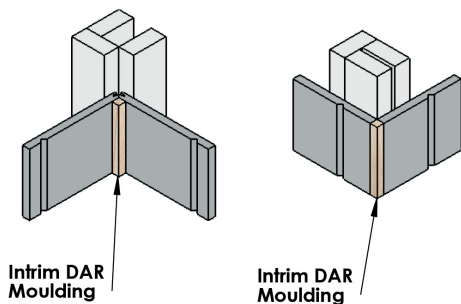
Corner Butt Joint



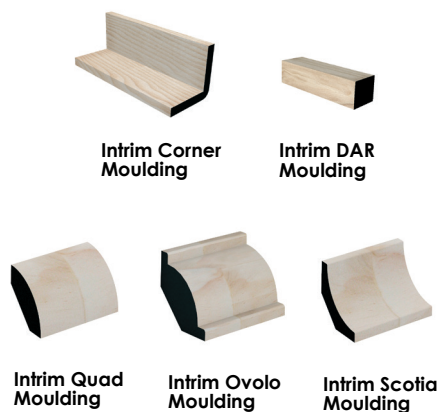
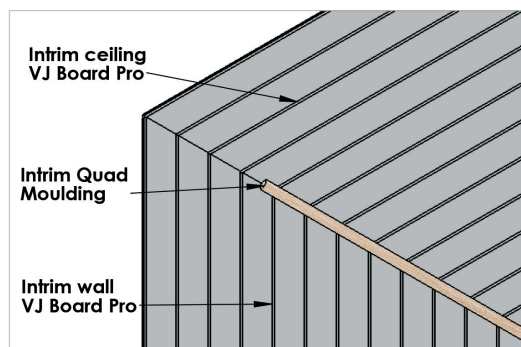
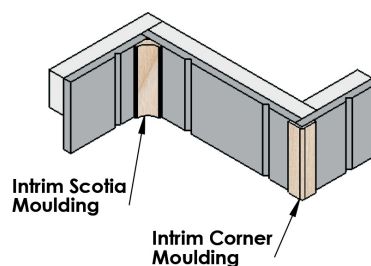
Corner Mitre Joint



Internal and external corners using Intrim DAR mouldings



Internal and external corners using Intrim corner and Scotia mouldings



If you do choose to finish with a chair rail, some of our popular profiles that compliment Intrim VJ Board Pro are below.



CR23
French Provincial



CR42
Edwardian/Georgian



CR99
Hamptons



CR09
Colonial/Victorian

The process and installation method for each is detailed in the next section.

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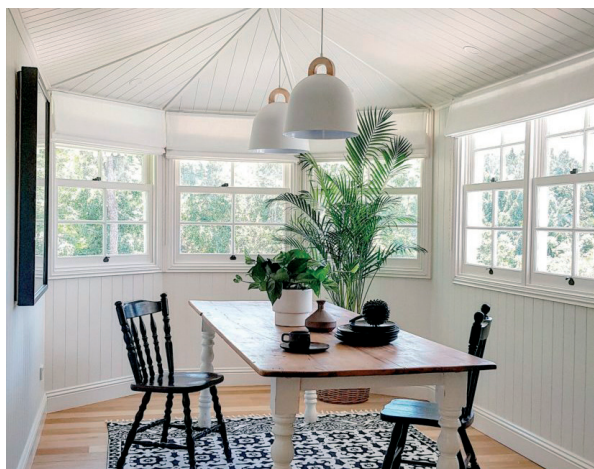
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Finishing an Internal Corner

Method 1: Scribe the second sheet so that it butts neatly up to the existing sheet.

Method 2: Butt-join the corner sheets (leaving a 3-5mm expansion gap) and fit a suitable moulding (e.g. square DAR, scotia, ovolo or quad) to cover any gap between the corner sheets.

It is good practice to always study and measure the walls in a room before commencing the installation to minimise waste.



Finishing an External Corner

Method 1: Corner mould

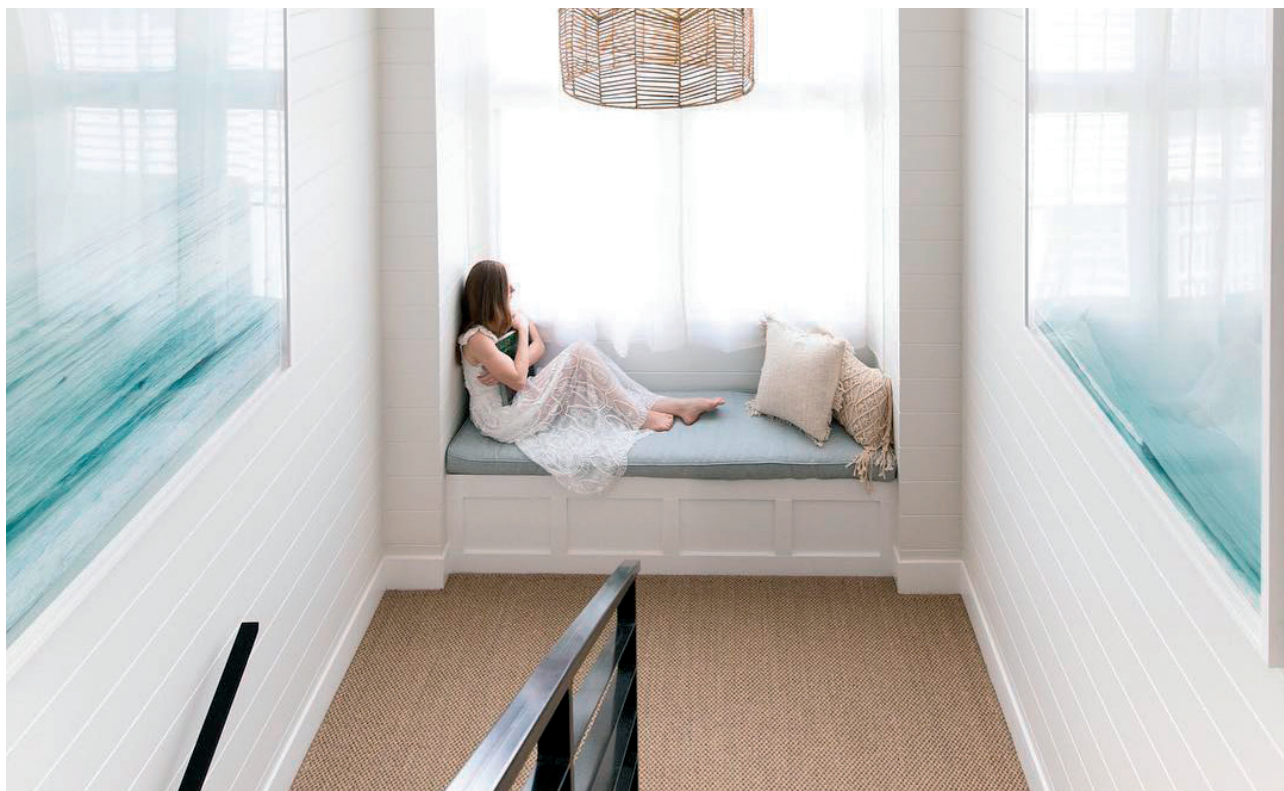
Trim the first sheet off level with the outside edge of the corner stud. Start the next sheet level with the outside edge of the trimmed sheet. Cover the join with an external corner timber moulding.

Method 2: Butt joint

1. Cut the corner sheet 9mm longer than the outside edge of the stud, being careful to cater for any run-out in the vertical plane or bows in the stud.
2. Scribe the second sheet to the line of the corner stud, again catering for any run-out in the vertical or bows in the stud. This forms a butt joint.

Method 3: Mitre joint

1. Using a router or track saw, form a 45deg bevel down the edge of each sheet. (This angle will vary from 45 if the corner is not a 90 degree right angle).
2. Fix the first corner sheet.
3. Apply glue to the length of the join and fix the second corner sheet against the first sheet. This forms a mitre joint.
4. Allow to thoroughly dry. Fill any gaps and sand smooth.



KEEPING YOU SAFE DURING INSTALLATION

We highly recommend for your safety that you follow the below steps when installing and working with Intrim VJ Board Pro:

1. It is important to control the dust that is produced when sawing or routing MDF.
2. A Class P1 or P2 filter/respirator should be worn to prevent the inhalation of the dust.
3. Dust should be collected and removed from the work area on a regular basis.
4. Ideally, hand power tools should be fitted with dust bags.
5. Keep the work area well ventilated.
6. Do not burn off-cuts. They should be disposed of as land fill.
7. Safety glasses or goggles should be worn if dust irritates the eyes.



TROUBLESHOOTING

Can I join sheets end to end to cover taller wall height or longer ceiling length?

It is difficult to achieve a good result when butt-joining wall or ceiling sheets as expansion and contraction over time will inevitably crack the join.

We recommend 2 options:

1. Plan to butt join the sheets in a position that can be covered with a timber cover strip; e.g.: the centre-line of the room, in line with an adjoining wall, at the leading end of the hallway, etc.
2. Design a pattern of cover strips (e.g. a square) that can be made to look like a feature, then join sheets under these strips.

What paint should I use to prime?

An acrylic sealer-undercoat should be applied as the base coat if purchasing or using unprimed sheets.

The back of my sheets are raw, do I need to prime them?

Only if the sheets are likely to be exposed to moisture, e.g.

- Sheets on the inside of external walls where no sarking is provided;
- All sheets being used in bathrooms, laundries etc;
- Ceiling sheets.

How can I Minimise Waste?

If the wall contains doorways or windows that are more than 1210mm wide, you can sometimes save material by starting to sheet at one edge of the opening; i.e. you can avoid cutting a large hole out of a sheet.

To fill in heads above doorways and floor-length windows less than 1210mm wide, you can use off-cuts, rather than cut large holes out of a full sheet. This is done using an off-cut and joining this to the v-groove of the next full sheet.

NOTE: The window and door head sheets must be installed as you go, otherwise you may not end up with a gap that is a full number of 'boards' wide. You will need to cut to the centre of the v-groove and router a groove to allow to install the tongue in the new join.

When you have finished one wall, you can use the off-cut from the last sheet to start the next wall if off-cut is large enough to be practical.

The Intrim VJ Board Pro tongue can be removed by pulling from one end of tongue using pliers. The tongue is interchangeable and may be used on either side of the sheet.

INTRIM HELPLINE

Phone Intrim

1800 622 081

E customercare@intrimgroup.com.au