



**Interior Panelling
and Sarking Guide**



**PREMIUM ARCHITECTURAL
& BUILDING SOLUTIONS**



INTERIOR PANELLING GUIDE

JSC is a leading manufacturer of timber panelling and sarking offered in a wide range of species, profiles, and finishes to enhance new homes, renovations, or commercial projects.

SCOPE

This guide outlines the installation of JSC panelling to internal applications.

TIMBER SPECIES

Panelling or sarking is offered in variety of timber species which offers a variety of colours, surface textures, and grain patterns.

Species suitable for panelling and sarking profiles are:

- Western Red Cedar
- Alaskan Yellow Cedar
- Western Hemlock
- Iroko
- Tasmanian Oak
- American White Oak
- TMT Taxon
- TMT Taiga
- TMT Tuscan
- TMT Amba

All species are available in a choice of widths and thicknesses and most can be supplied with a Bandsawn or Dressed surface finish.

See Interior Panelling Profile Chart or contact us on TechHelp@jsc.co.nz for more information on sizes and finishes.

STORAGE AND HANDLING

JSC products should be delivered undamaged by freight and handling. All boards should be inspected on delivery.

Lifting and craning timber packets on to site needs to be done with extreme care using appropriate equipment like a forklift, crane forks, cradle or spreader bars. Product should be unloaded by hand in the absence of mechanical equipment. Timber packets should never be tipped from the truck

NB: Timber products must not be lifted or craned with chains or straps unless pressure is widely distributed.

Keep the product dry at all times; either by storing in an enclosed building or with an additional weatherproof cover over the JSC packaging wrap. Ensure that there is sufficient air flow to avoid condensation. Avoid storing over standing water or vegetation.

Delivery should be scheduled to minimise time on site prior to installation to avoid accidental damage, contamination or moisture. However, if conditions are suitable, some days in the room where it is to be installed will allow the timber to acclimatise. Care must be taken to avoid damage to panel tongues, grooves and faces during installation.

Cover image: JSC Western Red Cedar Interior Panelling
The Dart House | John Irving Studio | Simon Wilson | Coastal Construction Projects

This image: JSC Western Red Cedar Interior Panelling
Eastern Beach House | Matt Brew Architects | Evolution Builders | Jamie Cobel



JSC Western Red Cedar Interior Panelling
Stables House | Turton Builders | Mark Hamilton Photography



JSC TMT Taiga Interior Panelling
Jennian Showhome | Wanaka New Zealand

MOISTURE CONTENT

To decrease the amount of movement after installation, timber panelling should be at, or slightly below the equilibrium moisture content of the room in which it will be installed. It is best practice to store the timber in its installed environment for 5 days prior to installation in order to equalize its moisture content with the room. Materials in seasonally heated buildings generally have a moisture content of 10-14%.

DESIGN LAYOUT

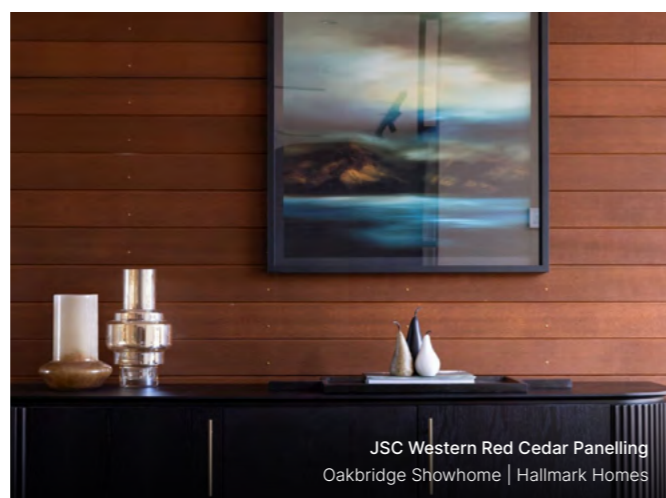
Prior to installation consider the lengths supplied and determine the panel layout. While installing select individual boards to take advantage of natural variation of timber colour to achieve an agreeable colour distribution.

JSC interior panelling can be installed vertically, horizontally or diagonally on framing or battens at maximum centres of 450 mm on ceilings or 600 mm centres for walls. Panelling attached over ply can be fixed at 600 centres. Care must be taken with joints at corners and between walls and ceilings. Generally, the joints between walls and floors are covered by skirting board.

NB: When thin (e.g. 9.5mm) panelling is used, restrain insulation or other materials to avoid distortion through pressure from behind.



JSC American White Oak Panelling
Goodside Smales Farm | Izzard Design | Mark Scowen



JSC Western Red Cedar Panelling
Oakbridge Showhome | Hallmark Homes

END JOINS

It is recommended to plan ahead to make optimal use of supplied lengths to achieve a pleasing layout with minimal wastage.

Preference should be given to full length panels but where joins are necessary, use a splayed or scarfed joint on a batten, stud or nog and stagger the joins in a random pattern.

NB: Some sizes and species can be machined into T&G End-Matched profiles. For more info please contact us at TechHelp@jsc.co.nz

FIXING

- Ceiling battens or wall framing must be clean and straight if internal panelling is installed directly to them.
- Horizontal panelling may be fixed directly to the studs.
- Extra battens or nogs might be required to achieve 600 minimum centres when wall panelling is to be installed vertically.
- Install battens on DPC over concrete blocks prior to installation of panelling with mechanical fixings (Refer to fastening manufacturer's requirements).

Cut the boards cleanly with a fine tooth saw and avoid joints wherever possible. Use a skirting

board to cover visible nails heads at the bottom of the wall.

For horizontal wall panelling, start the installation from the bottom with groove towards the floor. It is recommended to start at the top when the height of panelling doesn't match an exact number of panels or if the floor is uneven. The adjusted board can be hidden behind the skirting. Ensure that the first board is level before fixing. Check level every three boards during fixing.

Start vertical wall panelling from a corner, and with grooves towards the corner. Ensure that boards are not installed tightly together. A relaxed fit will allow for some expansion. The last board may need to be scribed or cut to fit accurately with next surface. Check for vertical every three boards during fixing. If necessary, tap boards into place with a scrap piece to prevent damage to the tongue.

Panelling can be fixed by:

- Face Nailing
- Secret Nailing
- Screws
- Hidden Clips
- Adhesives



JSC Western Red Cedar Ceiling & Wall Panelling
The Highlands Waipu | Makespace Build



JSC Western Hemlock Interior Panelling
Kohe Way Home | Hurley Architects

FINISHES

All surfaces should be lightly sanded after installation and the dust removed prior to coating.

NB: Follow coating manufacturers requirements at all times.

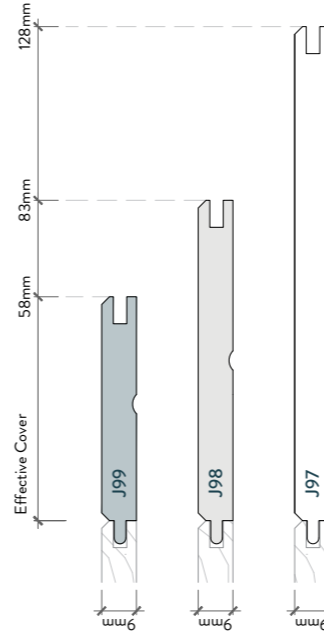
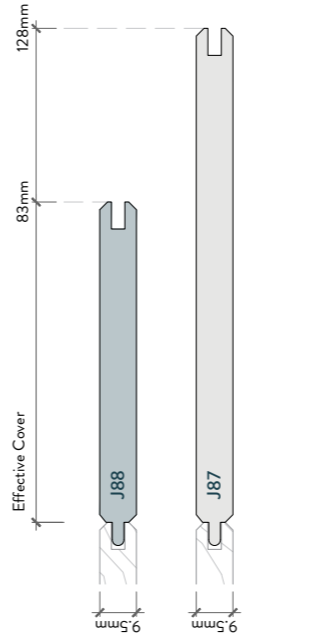
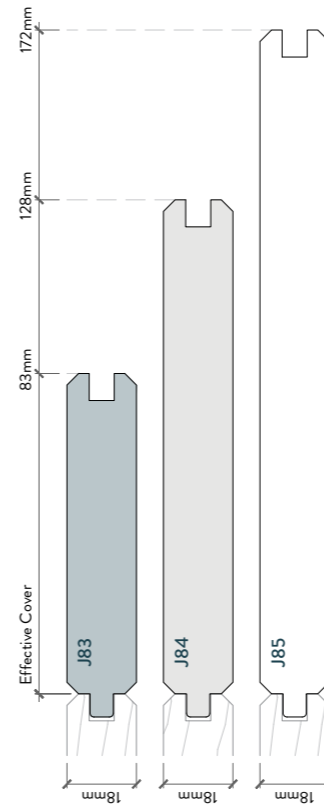
DISCLAIMER: This information is designed as a guide only and should be read in conjunction with the relevant manufacturer's product information and installation material and in consultation with your installer.



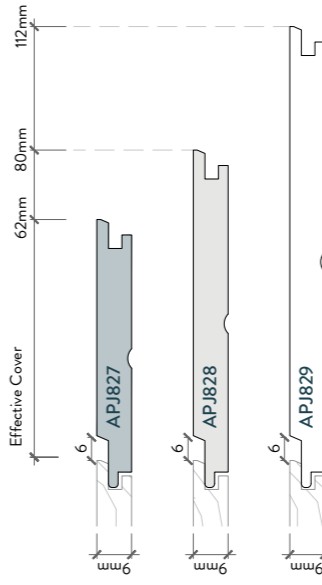
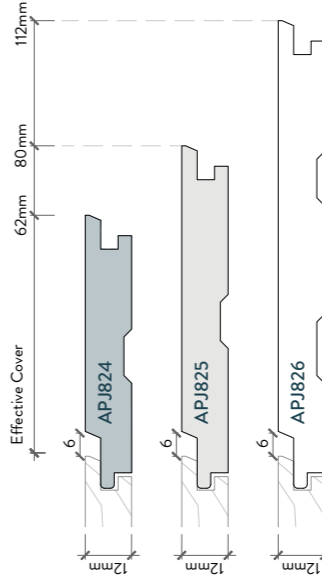
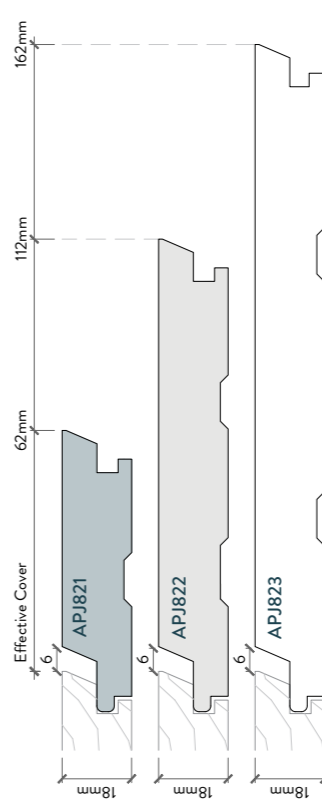
JSC TMT Taiga Interior Panelling
Long Bay Home | LC Designer Homes | Mark Scowen Photography

JSC INTERIOR PANELLING AND SARKING PROFILES

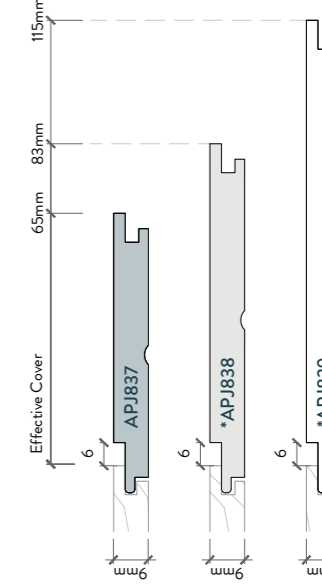
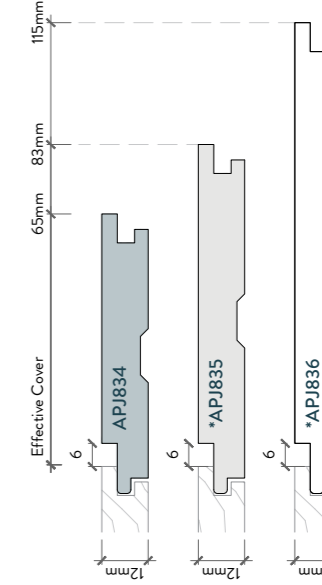
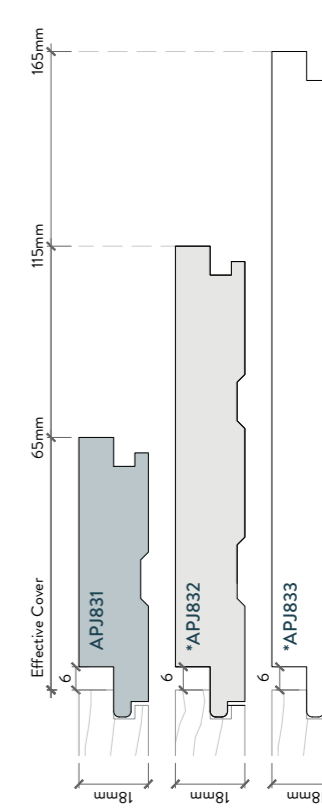
JSC STANDARD TG&V PANELLING PROFILES



JSC ARCHITECTURAL PANELLING PROFILES (MATCHING JSC RUSTICATED WEATHERBOARDS)



JSC ARCHITECTURAL PANELLING PROFILES (MATCHING JSC VERTICAL SHIPLAP WEATHERBOARDS)



*Profiles can be machined to match J55 & J56

NOTES

1. Profiles on this chart show the standard JSC Profile range.
2. Some profiles are available end matched.
3. Custom profiles available on request.
4. 9 and 9.5mm profiles are only available in Western Red Cedar.
5. Not all lengths are available in all profiles.
6. Not all profiles or lengths are in stock.
7. Details are subject to change without notification. Refer to www.jsc.co.nz for up to date documentation.



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