

# Windows & Doors Material Selection

Data Sheet v1

## Western Red Cedar

- Stegbar mainly uses Western Red Cedar in our windows and doors.
- Cedar is a unique, hard wearing softwood.
- It is not subject to warping or twisting.
- Cedar is dimensionally stable in most climate conditions.
- Its fine grain structure minimises shrinkage and swelling which prolongs the life of surface finishes.
- Natural colour variation is cedar's distinguishing feature:
  - ▶ Ranges in colour from honey beige to deep reds and browns
  - ▶ The mix of colours within a single piece makes cedar unique
- Cedar readily accepts semi-clear and clear finishes.
- Cedar has built-in natural preservatives:
  - ▶ Provides resistance to borers, termites, rot and fungus growth
- Cedar can be supplied raw and ready to be stained or varnished.
- It can be supplied pre-primed ready for painting.
- Cedar can be re-finished to meet changing needs.



## Aluminium

- Aluminium's unique feature is a combination of strength and lightness.
- Only simple cleaning is needed to maintain its stylish appearance.
- Windows and doors can be slim and unobtrusive.
- Aluminium does not require painting.
- Windows and doors are powder coated in a range of standard or custom colours.
- Aluminium does not warp or rot.
- Its dimensional stability ensures years of trouble-free performance.
- Aluminium windows and doors are available with a "chunky" frame style:
  - ▶ Still low maintenance, but with a significant visual impact
  - ▶ This frame style compliments modern, contemporary architecture
- Aluminium windows and doors can be used in designated bushfire zones. Check with local council for specific glazing and screening requirements.



*Part of the JELD-WEN family*

### A.T. 2000 Series™

- Stegbar's A.T. 2000 Series is a revolutionary range of windows and doors.
- Constructed from two materials:
  - ♣ Western Red Cedar for the internal components
  - ♣ Powder Coated Aluminium for the external components
- The A.T. 2000 Series provides the ultimate in design flexibility:
  - ♣ Inside a room you can have the warmth of cedar – stained, varnished or painted
  - ♣ Outside there is no need to paint as the aluminium is powder coated
- The A.T. 2000 Series is extremely strong and durable.
- Virtually maintenance free externally.
- Easily matched to almost any colour scheme, both inside and outside your home.
- A full range of window and door styles including custom-made.
- Cedar is supplied raw and ready to be stained, varnished or painted.
- Aluminium is powder coated in a range of standard or custom colours.
- The A.T. 2000 Series can be used in designated bushfire zones. Check with local council for specific glazing and screening requirements.



Features	Aluminium	A.T.2000	Cedar	Merbau	uPVC
<b>Ability to change colour</b> – a high rank means that the window colour can be changed easily.	X	✓	✓✓✓✓	✓✓✓✓	X
<b>Bushfire performance</b> – the ability of the material to meet performance regulations for use in bushfire zone.	✓✓✓✓	✓✓✓	✓	✓✓✓	X
<b>Colour range</b> – whether the material provides a range of colour options or an ability to be finished in a range of colours.	✓✓✓	✓✓✓	✓✓✓✓	✓✓✓✓	✓
<b>Different colour inside and outside</b> – a high rank means that you can have different colours on the inside and the outside of the house.	X	✓✓✓✓	✓✓✓	✓✓✓✓	X
<b>Insulated Glass Unit (IGU) capacity</b> – the ability of the material to hold a thick IGU.	✓	✓✓	✓✓✓	✓✓✓	✓✓✓✓
<b>Maintenance</b> – a high rank implies low maintenance of the frame material will be required.	✓✓✓✓	✓✓✓	✓	✓	✓✓✓✓
<b>Relative cost</b> – assuming equivalent size and glass specification, a high rank implies the most cost efficient.	✓✓✓✓	✓	✓✓	✓✓	✓
<b>Thermal</b> – the ability of the frame material to insulate against the transfer of heat and cold from outside to inside.	✓	✓✓	✓✓✓✓	✓✓✓✓	✓✓✓
<b>Legend</b> X Feature not available ✓ Basic ✓✓ Good ✓✓✓ Better ✓✓✓✓ Best					



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