

An Introduction To **Western Red Cedar**

Main Uses:

**Cladding – Shingles – Panels - Decking and Louvre Blades /
Bris-Soleil systems.**

Western Red Cedar is available in a wide range of patterns,
widths and thicknesses offering further flexibility in design.
Properly finished and maintained,
Cedar will deliver decades of trouble free service.

For more than a century, discerning architects and builders around the
world have enhanced their projects with this beautiful and durable material.
Nature still knows best, despite all efforts at imitation,
no man-made product can match the performance qualities of
Western Red Cedar.



Western Red Cedar (Thuja Plicata)

is a contemporary, yet classic
building material offering beauty,
versatility, and durability.
No man-made material can match Cedar's
beauty and centuries of proven performance.

Western Red Cedar is preferred
where attractive appearance,
superior performance and
resistance to weather
are important.

Cedar is the ultimate green building material.

It is legally, responsibly and sustainably harvested in the publicly
managed forests of British Columbia, Canada. Less than 1% of
standing timber is harvested each year. For each tree harvested,
three are replanted to ensure our forests will exist in perpetuity.

Western Red Cedar has the least impact on the environment
throughout its life cycle.

It requires significantly less energy to produce than man- made
alternatives and is biodegradable.

Don't settle for anything less than the best.

Western Red Cedar specify it by name.



Data Sheet

Western Red Cedar

The Timber

The Sapwood of Western Red Cedar is narrow and white in colour, and the heartwood often displays a marked variation in colour, that from the centre of the log may be a dark chocolate-brown changing to salmon pink nearer the sapwood, or the wood may be variegated with alternate dark and light zones. After drying and exposure, colour is lost and the wood becomes silver grey, the eventual colour can depend upon its environment.

This weathered appearance is sometimes purposely sought by Architects, but a further benefit of the wood is its ability to take and hold stains of the finest tint without discolouration. The wood is non-resinous, straight grained, somewhat coarse textured and exhibits a fairly prominent growth ring figure it is soft, brittle, aromatic, especially when wet and light in weight, about 350kg/m³ when dried.

Drying

Thin sizes dry readily with little degrade, but the timber generally tends to hold its moisture at the centre and care is needed with thick stock to avoid internal honey-combing and collapse. The timber holds its position well after drying with practically no tendency to warp, however small checks may occur during drying. While movement due to shrinking and swelling in changing atmospheres is small.

Strength

Its light weight and soft timber contributes to low strength properties and compared with European redwood (*Pinus sylvestris*) it is some 20 to 30 per cent inferior in bending strength, and about 15 per cent less stiff. It is also much less resistant to splitting and indentation on side grain than redwood.

Work Qualities

The timber works easily with both hand and machine tools, but its relatively brittle nature, which can cause splintering during some operations, and its soft character, which can lead to chip-bruising, usually means that care is needed in order to obtain the best results during mortising, planing and moulding. A good finish can be obtained, but cutters must be kept sharpened.

Durability - Durable

Treatability - Accepts stains/paints when kiln dried, also accepts FR Treatments.

Moisture Movement - Small

Density - 350 kg per m³ @ 12% moisture content.

Recommended Fixings/Flashings - Stainless Steel / Non Ferrous Metals, Power Nailers should be avoided if at all possible.

Chemical Properties - Fine dust may be an irritant. Western Red Cedar is an acidic timber which may corrode metals under damp conditions and cause iron staining, it also suffers from ferrous metal staining.

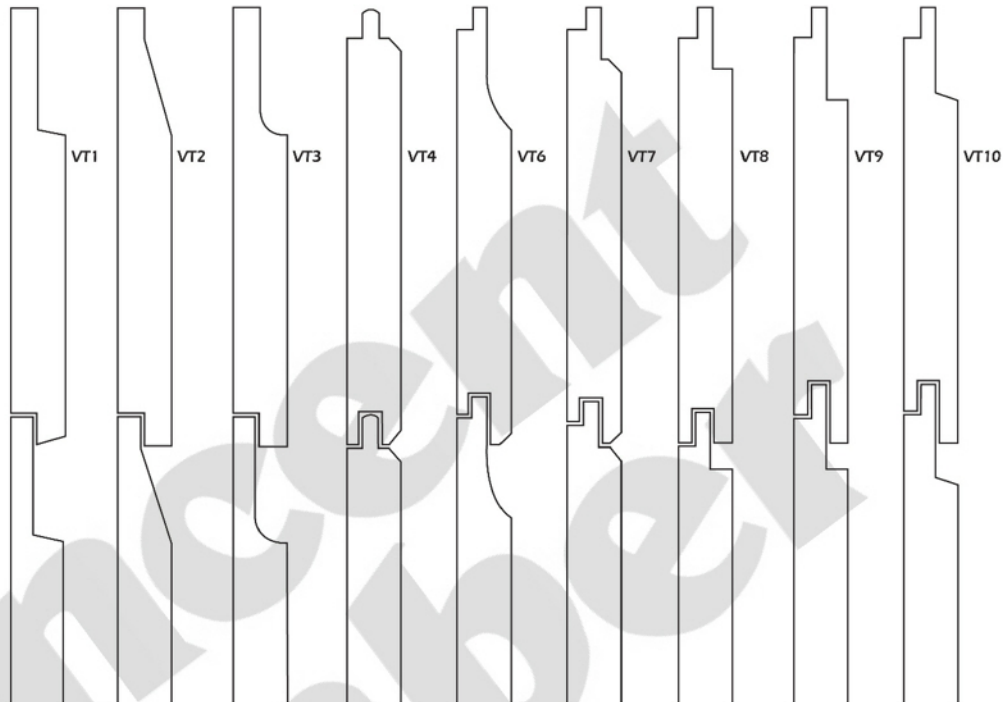
Colour(s) - Reddish brown (Ages to silver grey if left unprotected)



Profiles Western Red Cedar

Standard profiles

- VT1 **horizontal**
18f x 145f/135mm face
- VT2 **horizontal**
18f x 145f/135mm face
- VT3 **horizontal**
18f x 145f/135mm face
- VT4 **vertical**
18f x 145f/135mm cover
- VT6 **horizontal**
18f x 145f/125mm cover
- VT7 **vertical**
18f x 145f/125mm cover
- VT8 **vertical**
18f x 145f/135mm cover
- VT9 **vertical**
18f x 145f/125mm cover
- VT10 **horizontal**
18f x 145f/125mm cover



Standard profiles

- VT 542 **horizontal**
18f x 142f/132mm cover
- Other widths and thicknesses are available.
- VT309 **horizontal**
18f x 145f/125mm cover (sawn face)
- VT410 **horizontal**
12/4 x 140/115mm cover
sawn/or planed face available.

Please Note
All these profiles are designed for Western Red Cedar and dimensions Provided are for air dried/green cedar

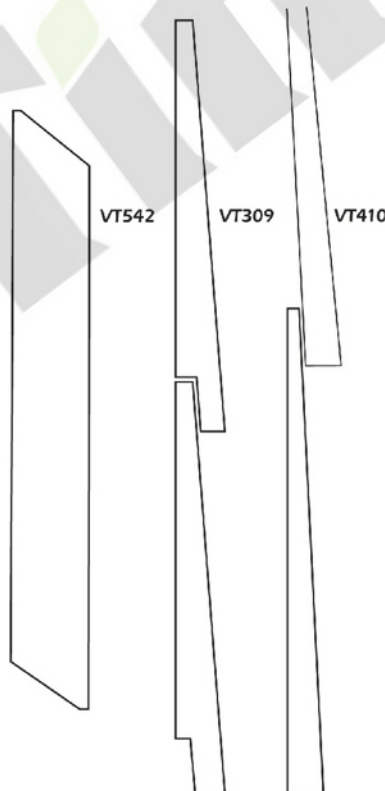
Kiln dried versions are also available, With special profiles where coatings Are required, please contact our sales Office for advice.

Please refer to office for advice on Profiles and other species due to the Varying characteristics of timber. Vincent Timber reserves the right To alter profile dimensions at any time At our discretion.

Illustration purposes only - not to scale/

Fixings

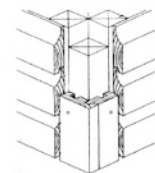
Vincent Timber recommends the use of stainless steel fixings, ideally small round headed, annular ring shank nails



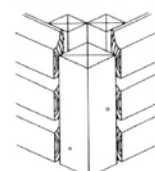
Corner Details

You can choose from one of these options or we can produce special profiles and sections in our own mill to suit your individual application.

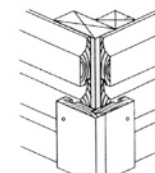
2-piece Flush External



1-piece External

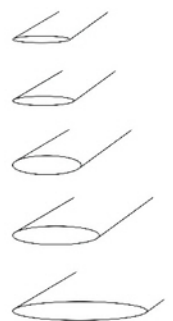


2-piece Proud External



Timber Louvres

Cedar louvres are renowned for combining durability and stability, with low density (weight). Other species available.



Standard air dried louvres may be Subject to dimensional movement



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