

# Western Red Cedar

## Species Data Sheet

<b>Common Name/s</b>	Giant Arbor-vitae, Red Cedar, British Columbia Red Cedar, Canoe Cedar
<b>Botanical Name</b>	Thuja plicata
<b>Primary Origin</b>	British Columbia in Canada and some of the western states of the USA
<b>Colour &amp; Figure</b>	<b>Heartwood</b> – ranges from pale brown through to pinks and richer dark brown <b>Sapwood</b> – is a paler yellowish white colour <b>Figure</b> – fine texture and straight grain with growth rings often visible
<b>Density</b>	<b>Unseasoned</b> - 430 - 530 kg/m <sup>3</sup> <b>Seasoned</b> - 350 kg/m <sup>3</sup>
<b>Hardness</b>	<b>Janka Rating</b> - 1.5 <b>Relative Rating</b> - Very Soft
<b>Durability (above ground)</b>	<b>Class 2</b> - from 15 to 40 years above ground weather exposed
<b>Weather Exposed</b>	Suitable
<b>Grade Options</b>	<b>Select Grade</b> - is graded according to product and for mainstream items like cladding, panelling, screening & mouldings, it requires material to be basically free of all knots, defects and similar blemishes on the primary face. Traces of the dis-allowed characteristics may appear on the back face.
<b>Leaching of Tannins</b>	Does not leach with respect to staining other materials when wet, but mild extractive bleeding may occur (very spasmodically and infrequently). Extractive bleeding could induce slight colour variations in some paints.
<b>Thickness (finished dressed)</b>	Cedar is available in many standard thicknesses including 8, 12, 17, 30 & 40mm. <b>Seasoned boards are also generally available in 65mm thickness but rarely in the thicker 90mm finish.</b>
<b>Width (finished dressed)</b>	Most widths from 12mm to 190mm are readily available with lesser availability of the wider 235mm and 285mm boards.
<b>Length</b>	All lengths in 300mm increments from 0.9M to 4.2M are usually available with some limitations of the availability of large volumes of lengths up to 6.0M. <b>Set lengths for screening and other application particularly requiring smaller end sections up to 90×38mm are readily available.</b>
<b>Price Guide</b>	<b>Relative Cost</b> - 100 Units (provides the base cost factor against which other species are compared)
<b>Coating (external)</b>	A range of factory coated options are available including Cutek CD 50 clear and pigmented oils as well as lacquers for protected applications.
<b>Coating (internal)</b>	Factory pre coating can be offered in UV cured lacquer in clear as well as a range of 5 colours for non-hard wearing areas, spray applied two pack polyurethane for hard wearing applications or both clear and coloured oils for other applications.
<b>Availability</b>	Readily available with normal production lead times however large volumes of specific lengths and sizes requires extended lead time to ensure supply meets expectations.