



Technical Information > **Hardwood Timber** Timber Species > **Western Red Cedar**



Western Red Cedar heartwood is renowned for its high decay-resistance and its good insulation properties, far superior to brick, concrete and steel. Therefore structures built from Western Red Cedar will be cooler in summer and warmer in winter. It has very good weathering characteristics which makes it popular for exterior applications.

Uses

Ideal for Cladding. Popular for exterior applications such as Decking, Fences, Weather Boarding, Summer Houses, Gates and Sidings. Good for panelling and moulding as it has an ability to dampen vibrations, making it effective in reducing or confining noise.

Appearance

Colour – When freshly machined Clear Western Red Cedar seems to vary from a light straw colour to a dark red/brown, but the colour becomes more uniform in natural light. It is much sought after for its ‘weathered’ appearance. The grain is typically straight and even.

Grain – Typically straight and even

Texture – Coarse

Characteristics

Density – It has a low wood density and low shrinkage factor which means it is unlikely to warp or twist.

Movement In Service – Dimensionally stable and holds its place well in use.

Flame Spreading Rate – Western Red Cedar’s flame spreading rate and smoke developed classification is considerably below the maximum limits set by most building codes. (Class II)

Smoked Developed Classification – 98

Durability – Long lasting when properly treated.

Working properties

Machines – Well

Cutting – Resistance is small but can have a tendency to fray during cross-cutting

Planes – Clearly

Sands – Clearly

Saws – Easily

Nails – Easily

Glues – Well

Finishing

The lack of pitch or resinous extractives contributes to its good finishing properties which means it can take a variety of coatings, paints and stains exceptionally well, provided it is dried and properly primed, all of which can be undertaken by Illingworth Ingham (M/cr) Ltd. Polishes well too.

Specification for Western Red Cedar

Origin North America	Density 390 kg/m ³	Durability Durable
Moisture Movement Small	Working Qualities Good	Permeability Resistant
Grain Straight	Texture Coarse	Colour Redish Brown, ages to silver grey if untreated



PLEASE NOTE IF PEFC CERTIFIED WOOD IS REQUIRED PLEASE SPECIFY AT TIME OF PLACING AN ORDER.

WESTERN RED CEDAR

<http://www.iitimber.com/softwood-timber/western-red-cedar/>

HARDWOOD

<http://www.iitimber.com/hardwood-timber/>

SOFTWOOD

<http://www.iitimber.com/softwood-timber/>

TIMBER PROFILES

<http://www.iitimber.com/timber-profiles/>

ILLINGWORTH INGHAM TIMBER — BRANCHES

Illingworth Ingham Timber | Macclesfield

<http://www.macclesfield-timber.co.uk/>

Illingworth Ingham Timber | Hyde

<http://hydetimber.co.uk/>

Illingworth Ingham Timber | Stockport

<http://portwoodtimber.com/>

Illingworth Ingham Timber | Trafford

<http://www.trafford-timber.co.uk/>