



# British western red cedar cladding



The majority of western red cedar cladding used in the UK is imported from Canada. However, British cedar has been grown in our woodlands for over a hundred years and the timber is ideal for exterior cladding. As Canadian cedar becomes increasingly expensive, British grown cedar cladding offers a significantly cheaper alternative and avoids the substantial environmental impact of shipping.

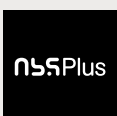
Although both versions are the same specie, it is important to be aware that the British grown timber is visually very different from that grown in Canada. British grown cedar is paler and contains frequent dark knots, resulting in a more rustic appearance. British cedar is just as stable and has the benefit of more consistent colour which leads to more consistent weathering.

British cedar is available in both sawn and machined profiles.

We firmly believe that using our native cedar is an essential part of ensuring that our local woodlands are managed and nurtured for the future.

Produced to comply with the harmonised standard for construction products regulation BSEN14915:2013 and to conform to BS8605-1:2014 External timber cladding: Method for specifying.

<b>Trade Name</b>	British western red cedar
<b>Base timber</b>	British western red cedar
<b>Species</b>	Thuja Plicata
<b>Process</b>	None
<b>Origin</b>	Legal and well-managed forests in England and Wales.
<b>Intended use</b>	External cladding
<b>Other uses</b>	None
<b>Appearance</b>	British western red cedar has a pink to amber colouring with frequent dark knots. The colouring of British WRC is paler, but more consistent, than its Canadian cousin.
<b>Weathering</b>	When left untreated, cedar will bleach to a silver colour. Because of its relative consistency British WRC weathers more evenly than the Canadian. Northerly elevations may weather to a darker grey than those facing South.
<b>Profiles</b>	All machined profiles
<b>Dimensions</b>	20 x 70, 20 x 95, 20 x 145, 20 x 195mm
<b>Lengths</b>	Random 1.8 – 3.7mt + Heavy 2.4 and 3.6mt
<b>Moisture content</b>	16 – 25%
<b>Natural durability (EN350-2)</b>	Durable Class 3
<b>Insect attack</b>	Resistant. Wasps seem to like peeling the surface.
<b>Desired service life (BS8417)</b>	Occasionally wet 30yrs Frequently wet 15yrs
<b>Treatability class</b>	Resistant
<b>Movement class</b>	Small
<b>Resistance to impact</b>	Low
<b>Resistance to fixing</b>	Low
<b>Mean density</b>	330 – 390 kg/M3
<b>When to fix</b>	No restrictions
<b>How to fix</b>	Face fix or secret fix with stainless steel ringshank nails. Pre-drilling ideal but not essential.
<b>Grading</b>	British cedar is too knotty to be graded under any of the standards.
<b>Working properties</b>	Good workability. Takes fixings satisfactorily. Cedar is soft and relatively brittle which can result in bruising and splintering. No pre-drilling necessary.





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Weathered British western red cedar cladding

**Extractives**

Western red cedar contains reactive oils, which will corrode ferrous metals. When the two come into contact, a blue sludge is formed that will stain the wood and anything else it meets. All fixings used in conjunction with western red cedar should be stainless steel. The oil is brown in colour, could leave unsightly brown stains on the surface of the cladding, and will stain any porous materials below the cladding. The reactivity of the oil makes western red cedar cladding unsuitable for polluted areas and shaded areas.

**Emission of formaldehyde (EN14915)**

E1 (Not significant)

**Reaction to fire (EN14915)**

Euroclass F (Untested). D-s2, d0

**Fire treatment**

Possible by impregnation

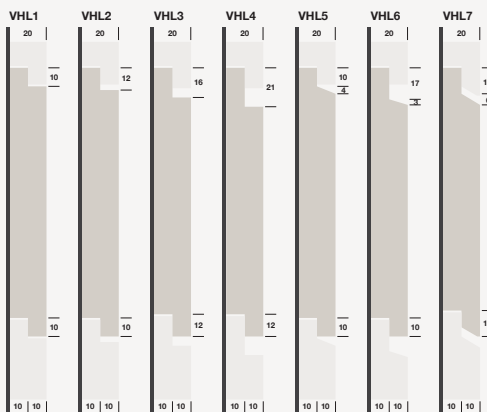
**CE compliant**

Yes

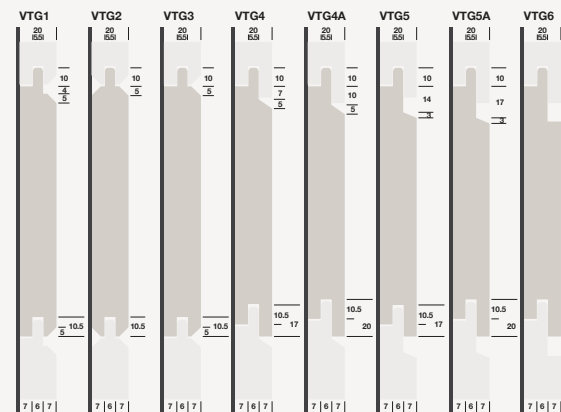
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**Cladding profiles – machined range**

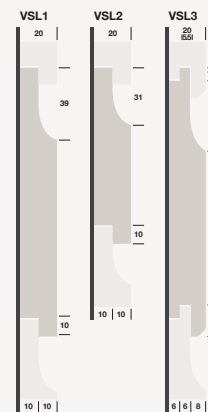
**Halflap**



**Tongue and groove with a v-joint**



**Shiplap**



**Splayed**



Visit our website for fixing details. Contact us for full technical drawings.

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