

# What you didn't know about timber and timber cladding?

**WESTERN RED CEDAR**  
(Thuja Plicata)  
Grown in the USA and Canada.  
The oldest specimen is **1460 YEARS OLD**

## THERMOWOOD D

A modified Scandinavian spruce, which has been heated making it more durable.



## DID YOU KNOW?

Thermowood D is heated to 212°C. The 'D' stands for durable and it is ideal for cladding.

**SIBERIAN LARCH**  
(Larix Sibirica) found mainly in Russia, Siberia & Northern China.  
Average life span **100 YEARS**

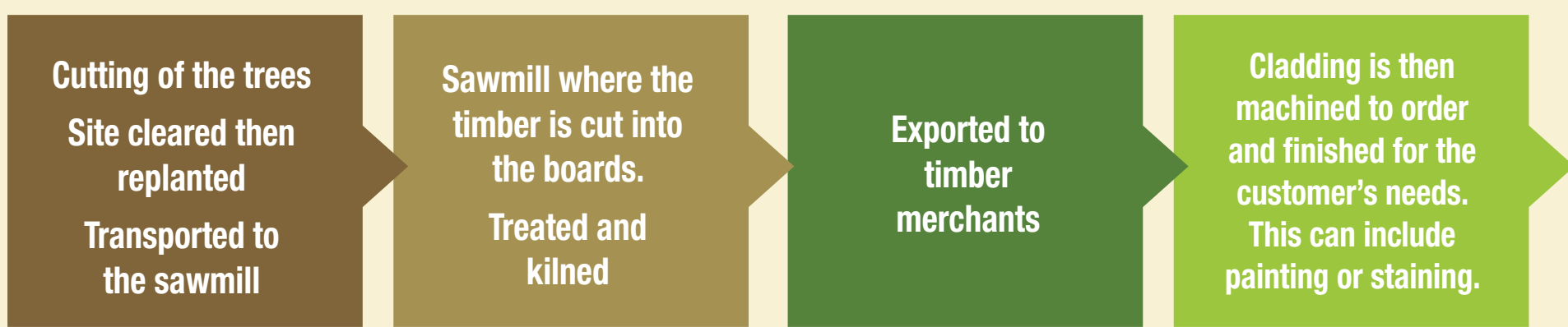
## DID YOU KNOW?

Western red cedar can grow to be 60m in height. That's 14m taller than the statue of Liberty!

## DID YOU KNOW?

That 49% of Russia is forest. That's 8.5 million square kilometres or 5,312 million square miles or 3.4 billion acres!

## The process of timber cladding production



## BENEFITS OF CLADDING

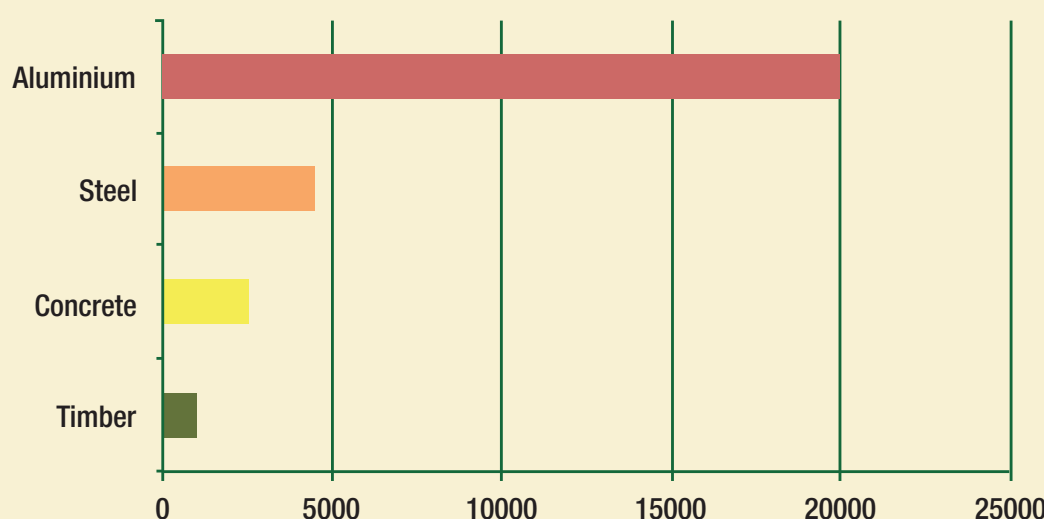
- Light weight
- Easy to install
- Modern attractive finish
- Great insulator
- Weather proof
- Bespoke to fit your requirements

## DID YOU KNOW?

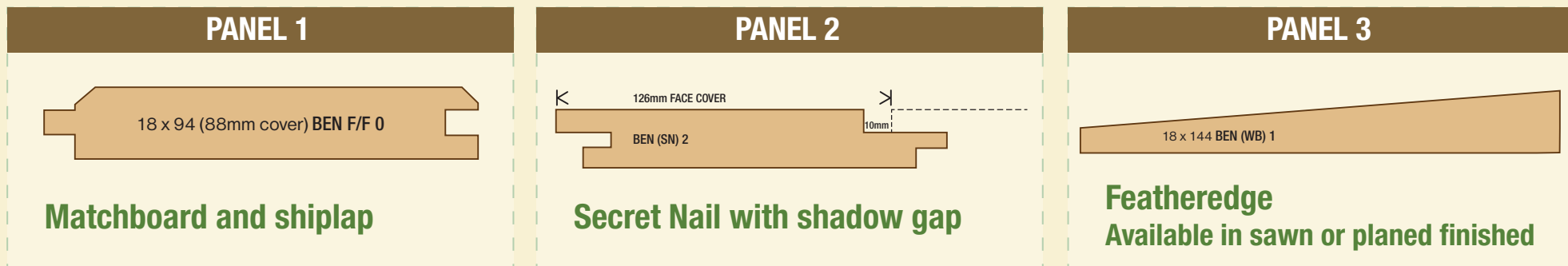
The UK aims to reduce carbon emissions by at least 80% (from the 1990 baseline) by 2050. Green buildings will contribute to this.



## The number of Kilowatt hours to produce each material



## Popular cladding profiles



There are no particular benefits of using one profile over another, it is very much up to the individual or specifier as to which pattern to use. Featheredge would only tend to be used for horizontal boarding.

## How to install horizontal timber cladding

This process is primarily for horizontal cladding installation, however it can also be fixed vertically.



**1** Apply vapour barrier or breather membrane to the exterior wall depending on whether masonry or timber frame structure. This prevents moisture collecting between the wall and the cladding.

**2** Attach treated wooden battens to the exterior wall, at a maximum of 600mm apart from the centre moving outwards.

**Battens**

**600mm apart maximum**

**3** Pre drill holes into the cladding if screwing. Nails can be used. Remember to use stainless steel nails or screws.

**Battens**

**4** Attach cladding together with cladding screws, through the pre-drilled holes and ensure that the screws are affixed both to the cladding and the battens.

**5** Continue until completed.

## Sources:

- [http://www.conifers.org/cu/Thuja\\_plicata.php](http://www.conifers.org/cu/Thuja_plicata.php)
- <http://www.for.gov.bc.ca/hfd/library/documents/treebook/westernredcedar.htm>
- <http://www.tradingeconomics.com/russia/forest-area-percent-of-land-area-wb-data.html>
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- <https://www.gov.uk/government/policies/reducing-the-uk-s-greenhouse-gas-emissions-by-80-by-2050>