

Spruce/Whitewood (Picea abies)

Spruce/Whitewood (Picea abies) grown under Swedish conditions produce a trunk structure similar to that of Redwood with long fibres/cells.

Whitewood features a darker coloured heartwood. Heartwood/Sapwood is split about 50/50 in mature trees.

The area where the trees are grown influences the size, spacing and number of knots. This key characteristic frequently determines the Export market and the end use of the product.

Sawn Swedish whitewood is ideal for:

- Furniture
- Construction
- Kitchen cabinets
- Indoor decoration
- Pallets and Packaging

Facts Spruce/Whitewood (Picea abies)

Moisture Content	12%	30%
Density kg/m ³	460	510
Tensile Strength MPa	90	50
Bending Strength MPa	75	43
Compression Strength MPa	40	22
Shear Strength MPa	9	7
Impact Strength kJ/m ²	50	65
Brinell Hardness	3.2	2.2
Modulus of Elasticity MPa	11,000	10,000
Thermal Conductivity W/m°C	0.24	0.29
Heat Capacity J/kg	1,650	2,000
Calorific Value MJ/Kg	17.3	14.6

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