

Metsä

Spruce 410 SF (I-V)

Datasheet updated: 26/01/2026



Our spruce sawn timber is an excellent material for internal cladding and it is a particularly popular material in panels and boards used in external cladding. Sawn timber from spruce is naturally resistant to moisture. Spruce trees have small and healthy branches, which do not crack.

Our spruce sawn timber is produced at our Renko and Vilppula sawmills in Finland, using wood from sustainably managed forests.

Spruce characteristics (KD 12%)

Density	300-470 kg/m ³
Modulus of elasticity	10,000 N/mm ²
Bending strength	87 N/mm ²

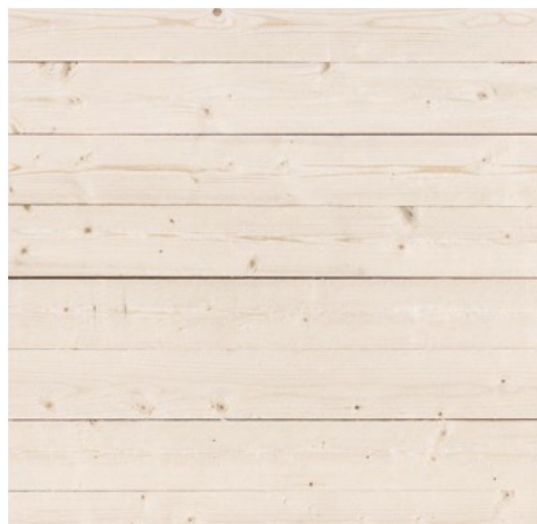
Spruce 410 SF (I-V) quality characteristics

Dimensional accuracy	Thickness -1 + 3 mm Width -2 + 4 mm Length -1 + 20 mm
Knot size - primary face	Sound knot max mm by width 100-115 mm 45 mm, 116-150 mm 50 mm 151-200 mm 55 mm, 201-225 mm 60 mm Dry knot max 70% of sound knot Bark knot max 60% of sound knot
Knot sizes - edge	Thickness 16-29 mm sound knot 100% Thickness 30-100 mm sound knot 85% Dry knot max 70% of sound knot Bark knot max 60% of sound knot
Shake	Max 50% of length allowed
Other defects	No blue stain or wane allowed Max two 100 mm resin pockets in worst meter
Distortion	Bow 15 mm, spring 7 mm, twist 10% of product width / worst 2 meter
Moisture	Normal dry product Target moisture 16 +/-2%
Applications	Window frames DIY Furniture

Shipping mark



Sound and dry knots are allowed. The size of bark ring knots is restricted.



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Package label explanation

IPPC mark	1
Last 6 digits of package number and storage location in mill	2
Dimension and quality	3
Volume, min – max length and weight	4
Species, product code and moisture content	5
Pieces per length, total pieces, running meters, volume	6
Full 10 digits package number, dimension, quality, product code and volume	7

Package

Height	80 – 120 cm
Width	90 – 120 cm
Length	2100 – 5400 mm
Gross weight	Max 4000 kg
Wrappers	Plastic hood or wrap, recyclable plastic
Bands	2100 – 3900 mm min 3 plastic bands; 4200 – 6000 min 4 plastic bands
Markings	Shipping marks
Identification	Package label + stamp on the end of the lumber (package number)
Other	Packages with non full top layer will have uneven surface sticker

Package label

IPPC mark

505509 108

25 x 100 140

4,691 450 - 450 2834

R 205584 417 18 %

