Sawn timber technical datasheet

Metsä Spruce 210 V

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Our portfolio consist wide selection of standard dimensions in compliance with the Nordic quality grading for sawn timber. As material, spruce is easy to work and surface-treat. Spruce sawn timber is a particularly good material for high-quality carpentry products. These products are typically made of U/S and V grade timber, the two highest qualities.

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/m²**
Modulus of elasticity	**10,000 N/mm²**
Bending strength	**87 N/mm²**

Spruce 210 V quality characteristics	
Dimensional accuracy	**Thickness -1 + 3 mm** **Width -2 + 4 mm** **Length -1 + 20 mm**
Knot size - primary face	**Knot 30-50% of the width** **Dry knot 70% of sound knot** **Bark knot 60% of sound knot**
Knot sizes - edge	**Knot 70-90% of the thickness**
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 m**
Moisture	**Normal dry product** **Target moisture 16 +/-2%**
Applications	**DIY** **Structural framework**

Shipping mark

Metsä

Dry and bark knots are allowed. Sound knot groups are allowed.

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Metsä Fibre Oy, Sawmills

Metsä
Spruce 210 V

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