Sawn timber technical datasheet

Metsä Spruce 210 V

Datasheet updated: October 2024

PEFC
PEFC/02-33-21
Promoting Sustainable Forest Management
www.pefc.org

FSC
www.fsc.org
FSC® C002102
The mark of responsible forestry

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.

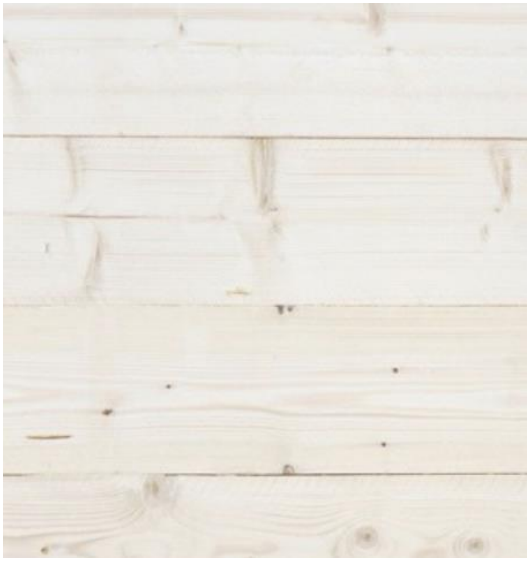
Shipping mark

Metsä

Spruce characteristics (KD 12%) *Picea abies*	
Density	**300 – 470 kg/m²**
Modulus of elasticity	**10,000 N/mm²**
Bending stregth	**87 N/mm²**

Spruce 210 V quality characteristics		
Dimensional accuracy	**Thickness** **Width** **Length**	**-1 + 3 mm** **-2 + 4 mm** **-1 + 20 mm**
Knot sizes – 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 (worst 2 m)** **Spring 7 mm (worst 2 m)** **Twist 10% of product width (worst 2 m)**	
Moisture	**Normal dry product** **Target moisture 16 +/-2%**	
Applications	**DIY** **Structural framework**	

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

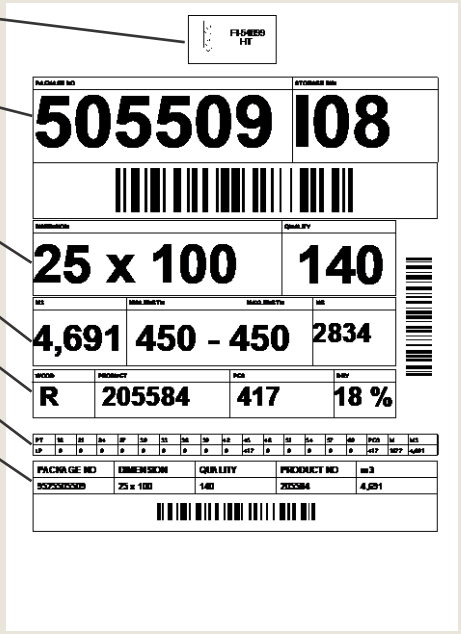


Sawn timber technical datasheet

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 label



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**