

# Metsä Spruce 140 US CENTERCUT

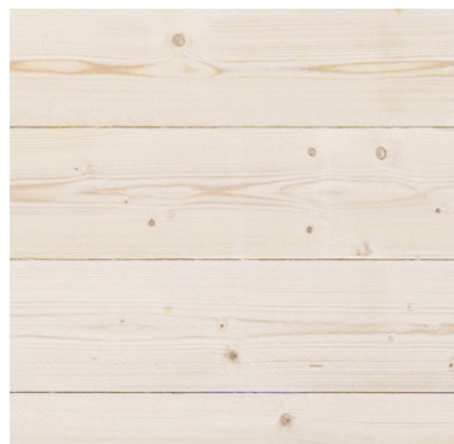
## Spruce characteristics (KD 12%)

(*picea abies*)

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

## Spruce 140 US Centercut quality characteristics

Dimensional accuracy	Thickness -1 + 3 mm Width -2 + 4 mm Length -1 + 20 mm
Knot size - primary face	Sound knot 20-25% of the width Dry knot 50% of the sound knot 4 knots per meter allowed
Knot sizes - edge	Sound knot 50-60% of the thickness Dry knot 50% of sound knot 2 knots per meter allowed
Shake	Short shake 15-25% of length allowed Shakes going through the piece not allowed
Other defects	No blue stain, insect damage or wane allowed Max two 50-60 mm resin pockets allowed in worst meter
Distortion	25-45 mm: Bow 15 mm, spring 6 mm, twist 10% of product width / worst 2 m 45-100 mm: Bow 10 mm, spring 6 mm, twist 8% of product width / worst 2 m
Moisture	Normal dry product Target moisture 18 +/-2%
Applications	Paneling and mouldings Furniture Window frames



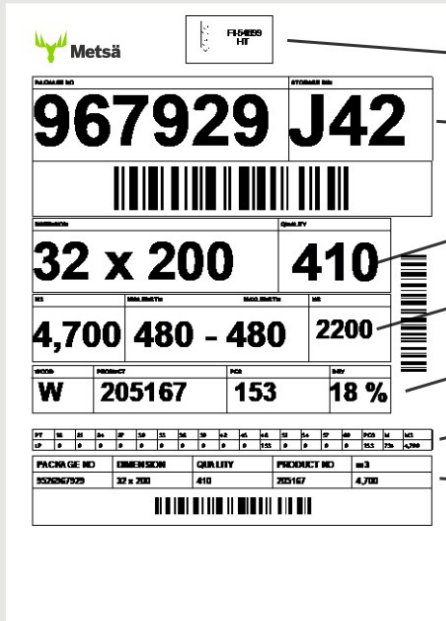
Best knot quality. Majority sound knots, dry knots 50% of sound knot side. No bark ringed knots allowed.



Shipping mark

Metsä

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## Package label explanation

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



## Package

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