

Grading specifications, spruce and fir (European, Nordic)

VEH A, spruce and fir (European, Nordic)

VEH B, spruce and fir (European, Nordic)

| | | |
|--|--|---|
| Knots | <p>permitted: Any number of completely intergrown knots, up to a size of 1/4 of the width of the profiled board maximum. Intergrown knots up to a diameter of max 15 mm. Black pin knots up to a diameter of 5 mm (also in groups).</p> <p>not permitted: Loose and fallen-out knots; may for 15% of the goods, however, be plugged with an end-grain dowel made from a branch of the same species of wood. For one metre of length, one end-grain dowel allowed, with any distribution along the board allowed.</p> | <p>permitted: Completely intergrown knots, partly intergrown knots, bark-surrounded knots, splay knots and dead (not intergrown) knots, size up to 10 % of board width + 50 mm.</p> <p>not permitted: Loose and fallen-out knots; they may, however, be plugged with end-grain dowels made from a branch of the same species of wood.</p> |
| Chipped off parts (incorrectly machined areas) | <p>permitted: In 15% of the goods, unless overlap of two profiled boards is impaired. Size of the chipped-off area in the case of arris knots comparable to a knot with a diameter of 10 mm.</p> | <p>permitted: Size of the chipped-off parts up to 40% of the knot area.</p> |
| Compression wood | <p>permitted: In 15% of the goods unless overall impression is impaired.</p> | <p>permitted</p> |
| Crookedness | <p>permitted: Crooked and twisted boards, as long as expert laying is still ensured.</p> | <p>permitted: Crooked and twisted boards, as long as expert laying is still ensured.</p> |
| Resin galls | <p>permitted: In 15% of the goods, size up to 0,5 x 5 cm or corresponding size in mm². Up to 1 per running metre; any distribution along the length of the board allowed. Resin galls of less than 0.2 x 2 cm are not taken into consideration.</p> | <p>permitted: Size up to 1 x 10 cm or corresponding size in mm². Up to 3 pcs. per running metre; any distribution along the length of the board allowed. Resin galls up to 0.3 x 3 cm are not taken into consideration.</p> |
| Cracks | <p>permitted: In 15% of the goods; interrupted surface cracks (hair cracks) on the visible surface. Traversing end cracks must not be longer than 30 mm. In 20% of the goods, continuous end cracks not longer than the width of the piece.</p> <p>not permitted: ring shakes</p> | <p>permitted: Interrupted surface cracks on the visible surface. Traversing end cracks, not longer than 1.5 times the width of the piece.</p> <p>not permitted: ring shakes</p> |
| Pith | <p>permitted: In 15% of the goods, on the visible surface up to a maximum of 15% of board length and 4 mm width.</p> | <p>permitted</p> |
| Colour | <p>permitted: Discolouring on the back of the board.</p> <p>not permitted: Discolouring on the visible surface.</p> | <p>permitted: Slight discolouring on the visible surface (e.g. red and blue stains). Discolouring on the back of the board.</p> |
| Fungal decay | <p>not permitted: For exception see colour.</p> | <p>permitted: Hard red stripe; size see colour.</p> <p>not permitted: Other fungal decay, exception see colour.</p> |
| Insect infestation | <p>not permitted</p> | <p>not permitted:</p> |
| Tree edge | <p>permitted: On the back side, if tongue and groove are not affected.</p> | <p>permitted: On the back of the board if on 3/4 of the length tongue and groove are not affected.</p> |
| Bark pockets | <p>permitted: In 15% of the goods, size up to a diameter of 15 mm or corresponding size in mm².</p> | <p>permitted: Knot sized or corresponding size in mm².</p> |