

# ASPEN

## Grading rules

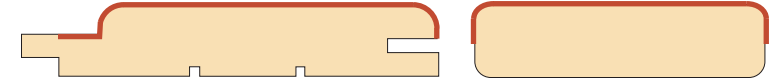
Natural aspen is an excellent material for saunas as it does not contain any resin and due to the low density and poor thermal conductivity of the hardwood material, aspen does not get unpleasantly hot. Aspen color is beautifully light, clean and bright. It is easily paintable or oilable - as if it were a blank canvas, to which you can give a special character.

2024 //

The material is sorted into quality classes based on the conditions below.

Up to 5% of the volume can be of lower grade.

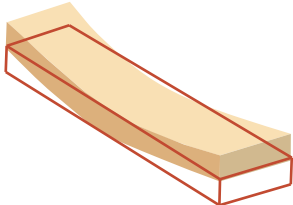
Grading will be carried out **by the visible face** (if it's definated) or by the better face.



Defect	Grade A	
	Visible face	Back face
PIN KNOTS	max 3 mm, unlimited number	allowed
DEAD KNOTS	not allowed	allowed
BROKEN KNOTS	not allowed	allowed
KNOT HOLES	not allowed	allowed if not through the whole board
NATURAL STRUCTURES AROUND KNOTS	allowed	allowed
END SHAKES	max size 10 mm	max size 10 mm
SHAKES	not allowed	not allowed
SURFACE SHAKES	not allowed	allowed
WANE	not allowed	allowed, but must not affect installation
MECHANICAL DEFECTS	not allowed	allowed, but must not affect installation
HIT AND MISS	not allowed	max 1/2 of board width
FEED ROLLER MARKS	not allowed	allowed, but must not affect installation

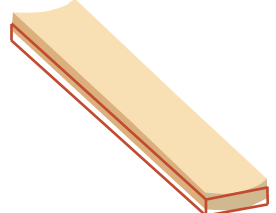
Defect	Grade A	
	Visible face	Back face
ROT/BLUE STAIN/BARK	not allowed	max 5% of surface area
SCARS	not allowed	allowed
DISCOLORATION	allowed for natural aspen, but must be uniform throughout	allowed
INSECT HOLES	not allowed	not allowed

**BOW**



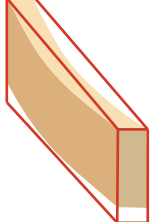
bench boards max 15 mm per meter wall  
panels max 25 mm per meter

**CUP**



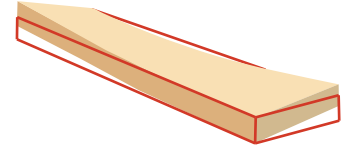
max 2.5% of the board width

**SPRING, CROOK**



bench boards max 6 mm per meter wall  
panels max 10 mm per meter

**TWIST**



bench boards max 6 mm per meter wall  
panels max 9 mm per meter

**TOLERANCES:**  
thickness: +/- 0,5 mm;  
cover width: +/- 2,5%;  
length: +10/- 3 mm  
per linear meter