

# THERMO ASPEN

## Grading rules

Thermally modified aspen is one of the most used materials in the sauna. Thanks to thermal modification, aspen achieves a uniformly warm, honey-like brownish hue. In the process of thermal modification, wood acquires a number of valuable features - it becomes more stable and resistant to the effects of the external environment

2024 //

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

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

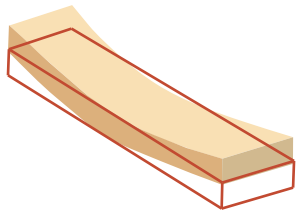
Grading will be carried out **by the visible face** (if it's definated) or by the better face.



Defect	Grade A		Grade AB	
	Visible face	Back face	Visible face	Back face
DEAD KNOTS	not allowed	allowed	allowed	allowed
BROKEN KNOTS	not allowed	allowed	allowed	allowed
KNOT HOLES	not allowed	allowed if not through the whole board	max diameter 5 mm through the whole board	max diameter 5 mm through the whole board
NATURAL STRUCTURES AROUND KNOTS	not allowed	not allowed	not allowed	not allowed
END SHAKES	max size 10 mm	max size 10 mm	max size 10 mm	max size 10 mm
SHAKES	not allowed	not allowed	not allowed	not allowed
SURFACE SHAKES	not allowed	allowed	allowed	allowed
WANE	not allowed	allowed, but must not affect installation	not allowed	allowed, but must not affect installation
MECHANICAL DEFECTS	not allowed	allowed, but must not affect installation	not allowed	allowed, but must not affect installation
HIT AND MISS	not allowed	max 1/2 of board width	not allowed	max 1/2 of board width
FEED ROLLER MARKS	not allowed	allowed, but must not affect installation	not allowed	allowed, but must not affect installation

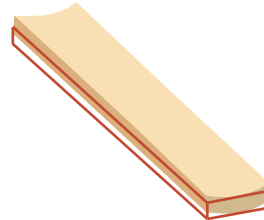
Defect	Grade A		Grade AB	
	Visible face	Back face	Visible face	Back face
ROT/BLUE STAIN/BARK	not allowed	max 5% of surface area	not allowed	max 5% of surface area
SCARS	not allowed	allowed	allowed	allowed
DISCOLORATION	allowed	allowed	allowed	allowed
INSECT HOLES	not allowed	not allowed	not allowed	not allowed

BOW



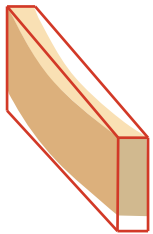
bench boards max 15 mm per meter wall  
panels max 25 mm per meter

CUP



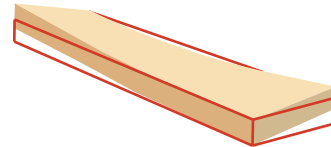
max 2.5% of the board width

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