

THERMORY®

Our Benchmark thermo-spruce products undergo intense thermal modification. This makes the spruce more durable (Class 1) and stable while emphasizing its warm golden-brown color and characteristic knot pattern.



All our boards are graded by the better face.



Like any other wood, the surface of Thermory products turns naturally gray over time. This process starts immediately after the products are installed and takes from a few months to a few years, depending on the intensity of UV radiation and frequency of precipitation.



Regular finishing prevents wood from cracking, ensures water and dirt repellency and creates a visually even tone.

Grading rules

Thermo-Spruce



DISTINCTIVE KNOTS



THERMALLY MODIFIED WOOD



DURABILITY



DIMENSIONAL STABILITY



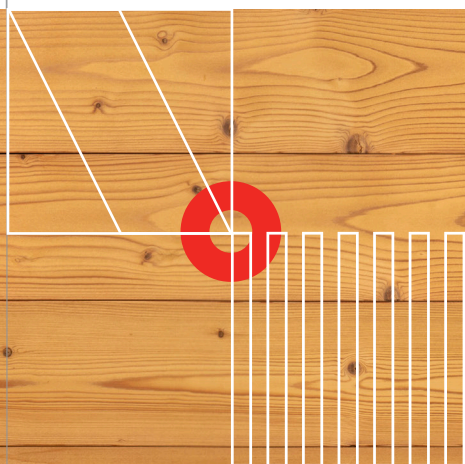
ECO-FRIENDLY / CHEMICAL-FREE PROCESS



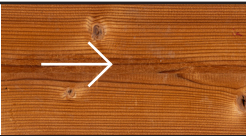













CLASS 1



BENCHMARK
by THERMORY®



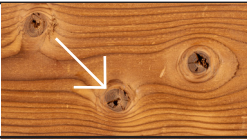












GRADED BY
THE BETTER FACE

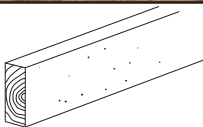
HIT&MISS	
FEED-ROLLER MARKS	
WANE	
MECHANICAL DEFECTS	
SURFACE CHECKS	
SHAKES	
END SPLITS	
RING SHAKE	
SOUND KNOTS	
KNOT HOLE	
BARK KNOTS	
DEAD KNOTS	
BLACK KNOTS	
UN SOUND KNOTS	

GRADE: **SELECT** ↓

Better face	Back face
not allowed	max 1/2 of the width of the board
not allowed	unlimited
not allowed	max 1/5 of the width and 1/3 of the thickness of the board
not allowed	unlimited
max 2" long	unlimited
not allowed	
max length = width of the board	unlimited
not allowed	
visual grading, not measured, has to maintain the integrity of the board	unlimited
not allowed	unlimited
sound, Ø up to 1/3 of the width of the board, bark not over half of the diameter	unlimited
up to Ø 9/16"	unlimited
Ø up to 20% of the width of the board	unlimited
not allowed	unlimited

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BROKEN KNOTS	
KNOT SHAKE	
PIN KNOTS	
SPIKE KNOTS	
EDGE & ARRIS KNOTS	
BROKEN EDGE KNOT	
KNOT CLUSTER	
PARTIALLY INTERGROWN KNOTS	
RESIN POCKET	
SCAR	
PITH	
SLOPE OF GRAIN	
ROT / MOULD / BLUE STAIN	



GRADE: **SELECT** ↓

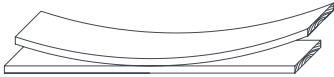
Better face	Back face
if not disturbing visually, evaluated from a distance min 5, up to 10% of the width of the board	unlimited
decking: up to 3/16" wide and 2" long cladding: up to 5/16" wide and 2" long	unlimited
unlimited	
Ø up to 1/2 of the width of the board	unlimited
unlimited	
limited to 6% of the width	unlimited
visual grading, not measured, has to maintain the integrity of the board	unlimited
bark up to 1/2 of the diameter	unlimited
allowed up to 1/2 in²	unlimited
allowed up to 1/2 in²	unlimited
max 20% of the length of the board	unlimited
unlimited	
not allowed	
not allowed	unlimited

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SPRING,
CROOK



BOW



TWIST



CUP



TOLERANCES

GRADE: **SELECT** ↓

Better face

Back face

allowed up to 3/32" per linear foot

allowed up to 1/16" per linear foot

allowed up to 5% of board width per
linear meter, has to be reversible during
installation

allowed up to 1% of the width of the board

thickness: +/- 1/64"
width: + 1/64"/- 1/32"
length: +/- 1/16" per linear foot

Last updated: September 2021.
All previous versions are null and void.

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

All defects that are allowed on the back face and not limited by size,
are tolerated to the extent that they will not jeopardize the integrity, usability,
and visual wholeness of the installed product.