

THERMORY®

Our Benchmark thermo-pine products undergo intense thermal modification. This makes the pine more durable (Class 2) 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 can take 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-Pine



DISTINCTIVE KNOTS



THERMALLY MODIFIED WOOD



DURABILITY



DIMENSIONAL STABILITY



ECO-FRIENDLY / CHEMICAL-FREE PROCESS



CLASS 2



BENCHMARK
by THERMORY®





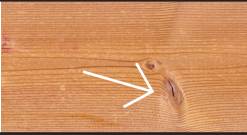



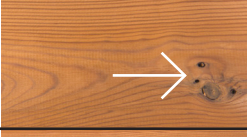




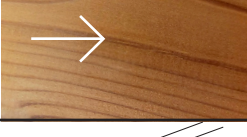
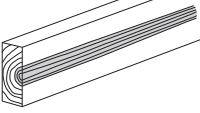
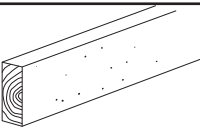
GRADED BY
THE BETTER FACE

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 for PaCS profiles
not allowed	unlimited
not allowed	max 1/3 of the width and 1/5 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 if not through the board
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

GRADED BY
THE BETTER FACE

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	
INSECT HOLES	

GRADE: **SELECT** ↓

Better face	Back face
if not disturbing visually, evaluated from a distance 5', up to 10% of the width of the board	unlimited
decking: up to 1/8" wide and 2" long cladding: up to 3/16" wide and 2" long	unlimited
unlimited	
Ø up to 1/2 of the width of the board	unlimited
unlimited	
limited to 10% 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

GRADED BY
THE BETTER FACE

SPRING,
CROOK



BOW



TWIST



CUP



TOLERANCES

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

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 2% of board width per linear foot, 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

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.