

THERMORY®

Our Benchmark thermo-pine products undergo intense thermal modification. It makes the pine more durable (Class 2) and stable while emphasizing its warm golden-brown color and characteristic knot pattern.



To suit every taste and style, Benchmark thermo-pine has three grades available: Natur, Rustic and Country.



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. To reduce discoloration or restore dark color, Thermory boards can be protected by coating them with a UV-resistant pigmented finish (wax, stain, paint, mineral oil, etc.).



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

Grading rules

Thermo-Pine

We can offer our thermo-pine products with the Nordic Swan Ecolabel. Wood carrying this Ecolabel comes from responsibly managed forests, is chemical free and offers great durability in outdoor conditions.



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: **NATUR** ↓

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 100 mm long	unlimited
not allowed	unlimited
max length = width of the board	unlimited
not allowed	unlimited
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 15 mm	unlimited
Ø up to 1/5 of the width of the board	unlimited
not allowed	unlimited

GRADE: **COUNTRY** ↓
Limited availability

Better face	Back face
allowed up to 300 mm from both ends	unlimited
allowed up to 300 mm from both ends	unlimited
allowed up to 300 mm from both ends	unlimited
allowed up to 300 mm from both ends	unlimited
unlimited	unlimited
allowed up to 300 mm from both ends	unlimited
allowed up to 300 mm from both ends	unlimited
unlimited	unlimited
up to Ø 20 mm allowed in whole length	unlimited
if not disturbing visually	unlimited
unlimited	unlimited
unlimited	unlimited
if not disturbing visually	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: **NATUR** ↓

Better face	Back face
if not disturbing visually, evaluated from a distance min 1,5 m, up to 1/10 of the width of the board	unlimited
decking: up to 3 mm wide and 50 mm long/ cladding: up to 5 mm wide and 50 mm long	unlimited
unlimited	
∅ up to 1/2 of the width of the board	unlimited
unlimited	
limited to 1/10 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 300 mm ²	unlimited
allowed up to 300 mm ²	unlimited
max 1/5 of the length of the board	unlimited
unlimited	
not allowed	
not allowed	unlimited

GRADE: **COUNTRY** ↓
Limited availability

Better face	Back face
allowed up to 1/5 of the board width	unlimited
unlimited	
unlimited	
unlimited	
unlimited	
unlimited	
unlimited	
unlimited	
allowed in reasonable amount	unlimited
unlimited	
unlimited	
not allowed	
not allowed	unlimited

GRADED BY
THE BETTER FACE

SPRING,
CROOK



BOW



TWIST



CUP



TOLERANCES

GRADE: **NATUR** ↓

GRADE: **COUNTRY** ↓
Limited availability

Better face

Back face

Better face

Back face

allowed up to 7.5 mm per linear meter

allowed up to 2 mm per linear meter

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: +/- 0.5 mm
width: + 0.5/-1 mm
length: +/- 2 mm per linear meter

Last updated: August 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 does not jeopardize the integrity, usability and visual wholeness of the installed product.

GRADE: **RUSTIC** → **85% NATUR & 15% COUNTRY**