# **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.

## 0

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

0 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.).

## 0

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.





CLASS 2 ECO-FRIENDLY / CHEMICAL-FREE PROCESS

MODIA

15+





#### GRADED BY THE BETTER FACE

HIT&MISS	$\downarrow$
FEED-ROLLER MARKS	
WANE	$\wedge$
MECHANICAL DEFECTS	
SURFACE CHECKS	
SHAKES	
END SPLITS	
RING SHAKE	
SOUND KNOTS	
KNOT HOLE	
BARK KNOTS	
DEAD KNOTS	R
BLACK KNOTS	•
UNSOUND KNOTS	$\rightarrow$

#### GRADE: NATUR

#### GRADE: COUNTRY $\downarrow$ $\downarrow$ Limited availability Better face Back face Better face Back face max 1/2 of the not allowed allowed up to unlimited width of the board/ 300 mm from not allowed for both ends PaCS profiles unlimited not allowed allowed up to unlimited 300 mm from both ends max 1/3 of the not allowed allowed up to unlimited width and 1/5 of 300 mm from the thickness of both ends the board not allowed unlimited allowed up to unlimited 300 mm from both ends max 100 mm long unlimited unlimited not allowed allowed up to unlimited 300 mm from both ends max length = width unlimited allowed up to unlimited of the board 300 mm from both ends not allowed unlimited allowed up to 300 mm from both ends visual grading, not measured, has to unlimited unlimited maintain the integrity of the board not allowed unlimited if not up to Ø 20 mm unlimited through the board allowed in whole length sound, Ø up to 1/3 of the width unlimited if not disturbing unlimited of the board, bark visually not over half of the diameter up to Ø 15 mm unlimited unlimited Ø up to 1/5 of the width of the board unlimited unlimited not allowed unlimited if not disturbing unlimited visually

## **THERMORY**<sub>®</sub>

### GRADED BY THE BETTER FACE

BROKEN KNOTS	7
KNOT SHAKE	$\rightarrow$
PIN KNOTS	- Ji
SPIKE KNOTS	- t
EDGE & ARRIS KNOTS	
BROKEN EDGE KNOT	
KNOT CLUSTER	$\rightarrow$
Partially Intergrown Knots	Y
RESIN POCKET	Ľ
SCAR	7
РІТН	$\rightarrow$
slope of grain	$\rightarrow$
ROT / MOULD / BLUE STAIN	
INSECT HOLES	

Grad	ina	ruloc	
Grau	Inc	rules	

Thermo-Pine

Better face	Back face	Limited availabilit Better face Bac	, k face	
not disturbing vis- ally, evaluated form distance min 1,5 m, p to 1/10 of the vidth of the board	unlimited	allowed up to 1/5 unlir of the board width	mited	
ecking: up to 3 mm ide and 50 mm ng/ cladding: up o 5 mm wide and 0 mm long	unlimited	unlimited		
nlimited		unlimited		
i up to 1/2 of the ridth of the board	unlimited	unlimited		
limited		unlimited		
nited to 1/10 f the width	unlimited	unlimited		
risual grading, not neasured, has o maintain the ntergrity of the poard	unlimited	unlimited		
ark up to 1/2 f the diameter	unlimited	unlimited		
llowed up to 300 mm²	unlimited	unlimited	unlimited	
llowed up to 300 mm²	unlimited	allowed in unlir reasonable amount	mited	
nlimited	unlimited	unlimited		
nlimited		unlimited		
ot allowed		not allowed		
ot allowed	unlimited	not allowed unlir	nited	

GRADED BY THE BETTER FACE GRADE: NATUR ↓ GRADE: COUNTRY ↓   Better face Back face Better face Back face   SPRING, GROOK Better face Back face Better face Back face   SPRING, GROOK Better face Back face Better face Back face   SPRING, GROOK Better face Back face Back face   BOW Bowed up to 75 mm per linear meter allowed up to 2 mm per linear meter   TWIST allowed up to 5% of board width per linear meter has to be reversible during installation   CUP allowed up to 1% of the width of the board   TOLERANCES thickness #-0.05 mm width + 0.05 mm width + 0.05 mm   Last updated August 2001. Up to 5% of the volume can be of lower grade.   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 tolerater to the extent that does not joopardize the integrity, usability and visual wholenes of the installed product.   GRADE: RUSTIC → 85% NATUR & 15% COUNTRY ERADE: RUSTIC → 85% NATUR & 15% COUNTRY	THERMORY	Grading rules Thermo-Pine					
SPRING, allowed up to 7.5 mm per linear meter   BOW allowed up to 2 mm per linear meter   TWIST allowed up to 5% of board width per linear meter   CUP allowed up to 1% of the width of the board   TOLERANCES thickness: +/- 0.5 mm width: + 05/-1 mm length: +/- 2 mm per linear meter   Last updated: August 2021 Up to 5% of the volume can be of lower grade.   All previous versions are null and void. All defects that are allowed on the back face and not limited by size are tolerater to the extent that does not jeopardize the integrity, usability and visual wholenes of the installed product.		GRADE: NATUR 🥠					
TWIST allowed up to 5% of board width per linear meter, has to be reversible during installation   CUP allowed up to 1% of the width of the board   TOLERANCES thickness: +/- 0.5 mm width: + 0.5/-1 mm length: +/- 2 mm per linear meter   Last updated: August 2021. Up to 5% of the volume can be of lower grade.   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 wholenes of the installed product.	SPRING, CROOK			Better face	Back face		
CUP allowed up to 1% of the width of the board   TOLERANCES 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 wholenes of the installed product.	BOW	allowed up to 2 mm p	per linear meter				
TOLERANCES 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 wholenes of the installed product.	TWIST	allowed up to 5% of k width per linear meter reversible during insta	poard , has to be Illation				
Last updated: August 2021. All previous versions are null and void. 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 wholenes of the installed product.	CUP	allowed up to 1% of th	ne width of the boar	d			
All previous versions are null and void. 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 wholenes of the installed product.	TOLERANCES	thickness: +/- 0.5 mm width: + 0.5/-1 mm length: +/- 2 mm per linear meter					
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		GRADE: RUSTI	C → 85% NA	ATUR & 15% CC	DUNTRY		

