

# THERMORY®

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



To suit every taste and style, Benchmark thermo-spruce has two grades available: Natur 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-Spruce

We can offer our thermo-spruce 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.



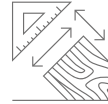
DISTINCTIVE KNOTS



THERMALLY MODIFIED WOOD



DURABILITY



DIMENSIONAL STABILITY



ECO-FRIENDLY / CHEMICAL-FREE PROCESS



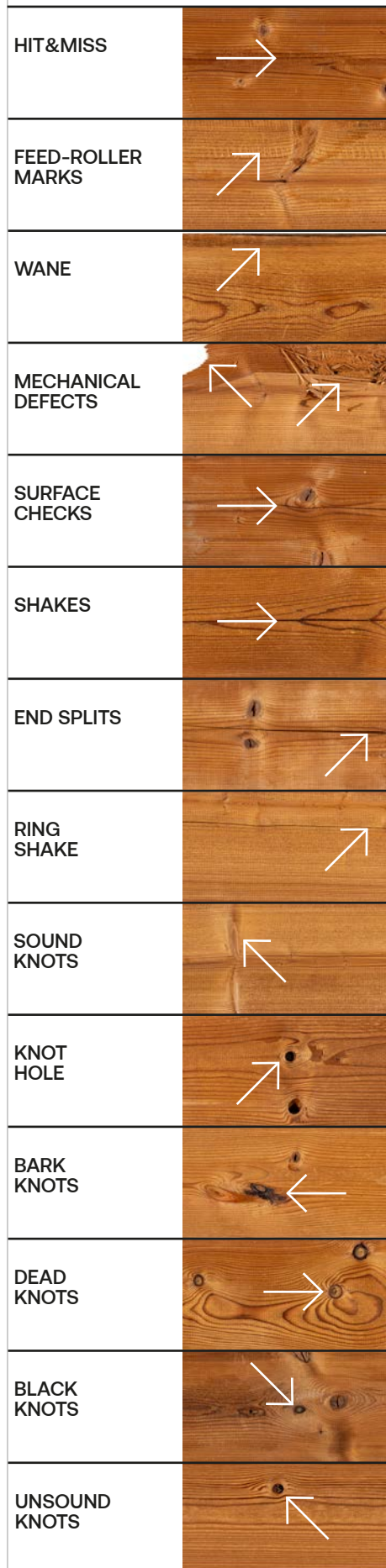
CLASS 1



**BENCHMARK**  
by THERMORY®



GRADED BY  
THE BETTER FACE



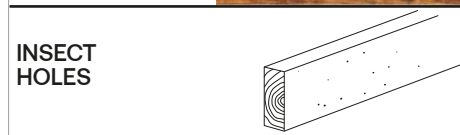
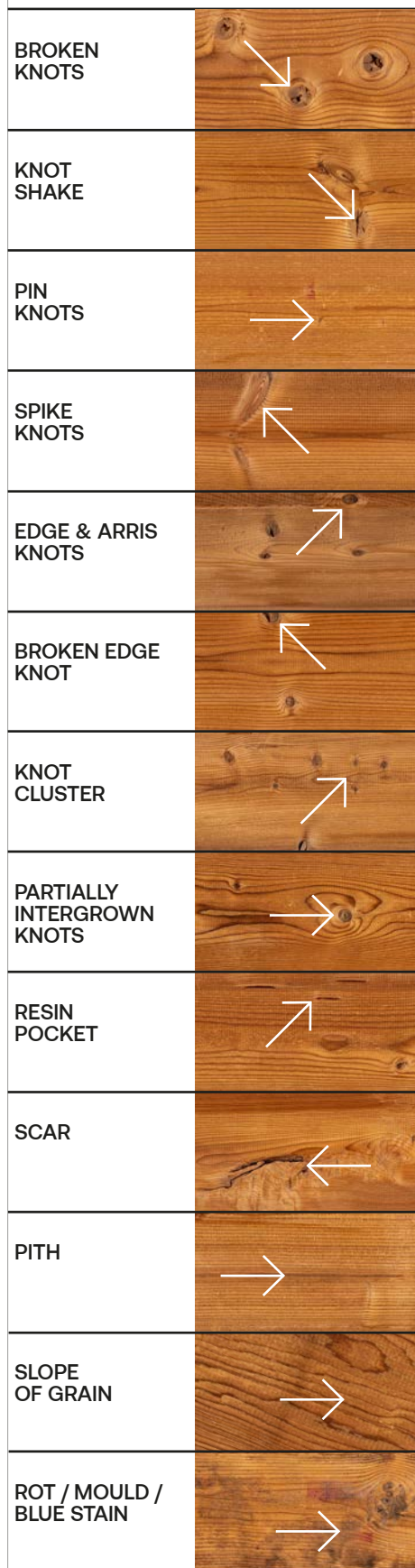
GRADE: **NATUR** ↓

GRADE: **COUNTRY** ↓

Limited availability

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

GRADED BY  
THE BETTER FACE



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 5 mm wide and 50 mm long/ cladding: up to 8 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 <sup>2</sup>	unlimited
allowed up to 300 mm <sup>2</sup>	unlimited
unlimited	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	
unlimited	
unlimited	
unlimited	
unlimited	
not allowed	
not allowed	

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

unlimited

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.