

# THERMORY®

Thermory Benchmark thermo-ash products undergo intense thermal modification. It makes the ash exceptionally durable (Class 1) and stable while emphasizing its warm dark-brown color.

• The final grade of Benchmark thermo-ash products corresponds to criterias as stated in this Grading Rules.

• All our boards are graded by the better face.

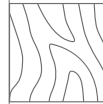
• Like any other wood, the surface of Thermory products turns naturally gray over time. This process starts immediately after the products are installed and

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-Ash



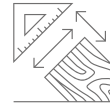
KNOT FREE



THERMALLY MODIFIED WOOD



DURABILITY



DIMENSIONAL STABILITY



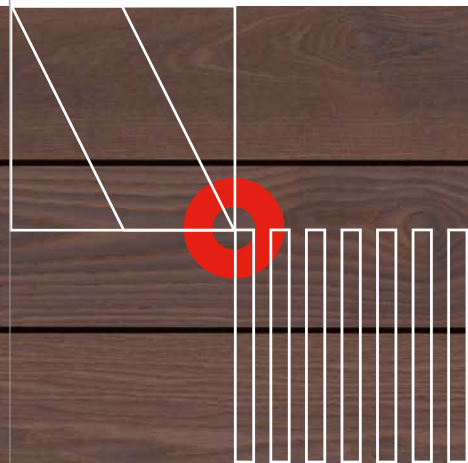
ECO-FRIENDLY / CHEMICAL-FREE PROCESS



• CLASS 1

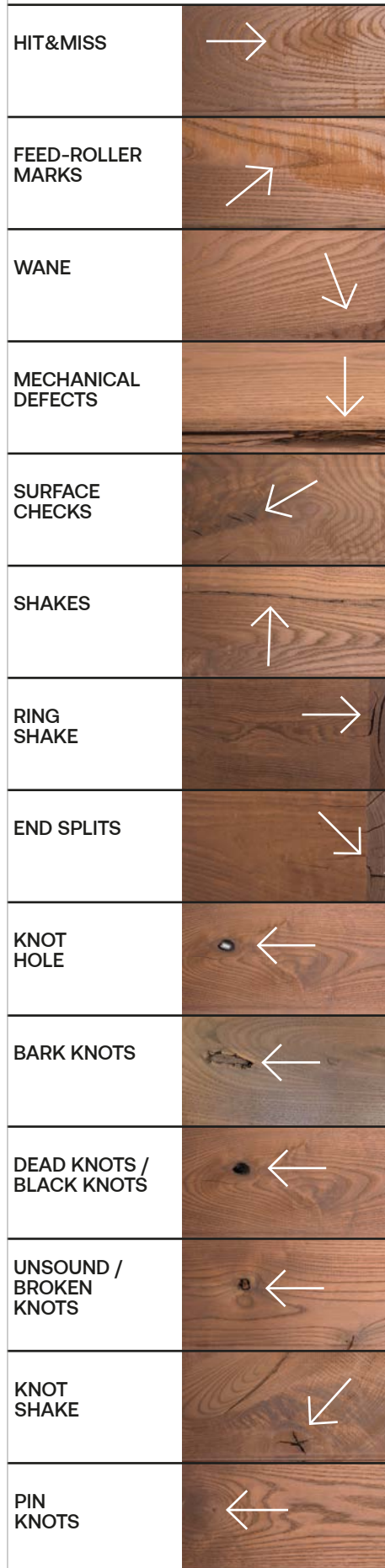


**BENCHMARK**  
by THERMORY®



GRADED BY  
THE BETTER FACE

GRADE: **SELECT** ↓



Better face	Back face
not allowed	unlimited
not allowed	unlimited
not allowed	max 1/5 of width and 1/3 of the thickness of the board
not allowed	unlimited
up to 1 mm wide and 50 mm long	unlimited
not allowed	
not allowed	
up to 30 mm	unlimited
not allowed	
not allowed	unlimited
up to Ø 5 mm	unlimited
not allowed	unlimited
not allowed	unlimited
up to Ø 15 mm	unlimited

GRADED BY  
THE BETTER FACE

GRADE: **SELECT** ↓

		Better face	Back face
ARRIS KNOTS		not allowed	unlimited
EDGE KNOTS		allowed up to 1/2 of the thickness of the board	unlimited
KNOT CLUSTER		not allowed	unlimited
PARTIALLY INTERGROWN KNOTS		not allowed	unlimited
SCAR		up to 200 mm <sup>2</sup>	unlimited
PITH		not allowed	unlimited
BARK / ROT / MOULD		not allowed	
INSECT HOLES		not allowed	unlimited
GLASS WORM MARKS		unlimited	
SPRING, CROOK		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, has to be reversible during installation	
CUP		allowed up to 1% of the width of the board	

GRADED BY  
THE BETTER FACE

GRADE: **SELECT** ↓

Better face

Back face

### TOLERANCES

thickness: +/- 0.5 mm  
width: +/- 1 mm  
length: +/- 1 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.