



Thermory Portfolio: Exterior Decking Profiles 2020

3	Color evolution
6	Storage
6	Building a proper foundation
7	Hidden installation
7	Installation: PaCS®
8	Installation: T-4, T-6 clip
9	Installation: PC clip
9	Installation: SUPRO H clip
10	Installation: TENI® clip
11	Visible screws
11	Installation: Visible screws
12	Kodiak by Thermory
13	Modular systems
13	Quickdeck®
14	Thermory with Bole
15	Herringbone by Thermory
16	Additional information

Thermory offers exterior cladding and decking in a wide range of profiles and dimensions. Our exterior products are manufactured in production units in Estonia and Finland. We mostly produce on order. This profile portfolio aims to work as a guide and tool for searching the various profile options already available, either standard or custom made.

Contact our sales team sales@thermory.com for guidance on minimum order quantities, availability, lead times and production location.



The beauty of wood is that it is a living material and ages just like us. However it is possible to maintain the exotic looks of our thermally modified products by treating them with UV-protection oil. If you happen to be a fan of the silver gray looks, let the nature do its magic.

Thermory Ash

MODIFICATION LEVEL: INTENSE

Our thermally modified ash products are a hardwood solution for exceptional rot-resistance and longevity combined with a clear face and rich, classic color.



COLOR CHANGES AS THE WOOD AGES

The exotic brown tone of thermally modified ash naturally silvers over time. Aging time varies based on application and climate but the result is worth waiting for.

The natural look from our modification process is DARK BROWN

Untreated products age over time, eventually reaching a beautiful silver GRAY tone

► The dark brown tone can be preserved by treating the product with a UV-protection oil once a year.

Thermory Pine

MODIFICATION LEVEL: INTENSE

The natural look of thermally modified pine is golden brown, with distinctive knots and more resin than other woods. Thermal modification adds decades of rot resistance to this softwood without using any chemicals. Pine is suitable for painting, but with lighter-colored paints the knots may turn yellow over time.



COLOR CHANGES AS THE WOOD AGES

Pine develops a pleasant silver patina as it ages. The wood's distinctive knots and resin that can be found on its surface adds an extra rustic touch to your walls.

The natural look from our modification process is GOLDEN BROWN

Untreated products age over time, eventually reaching a rustic GRAY look

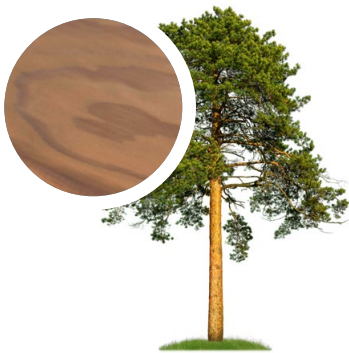
► The golden brown tone can be preserved by treating the product with a UV-protection oil once a year.

Color Evolution

Thermory Clear Pine

MODIFICATION LEVEL: INTENSE

Our thermally modified clear pine is the most knot-free among softwoods, with a distinctly unique pattern on every board. Thermory clear pine has unrivaled rot resistance.



**COLOR CHANGES
AS THE WOOD AGES**

The natural dark warm brown color of thermally modified clear pine gradually turns into a beautiful cool gray. The speed of this process depends on the amount of exposure to UV rays and rain.

The natural look from our modification process is WARM BROWN

Untreated products age over time, eventually reaching a rustic GRAY look



► The warm brown tone can be preserved by treating the product with a UV-protection oil once a year.

Thermory Spruce

MODIFICATION LEVEL: INTENSE

Thermally modified spruce products are a softwood solution offering best-in-class rot resistance and longevity. Spruce is also the ideal option for painting as it has less knots and the paint will retain its attractive look for longer.



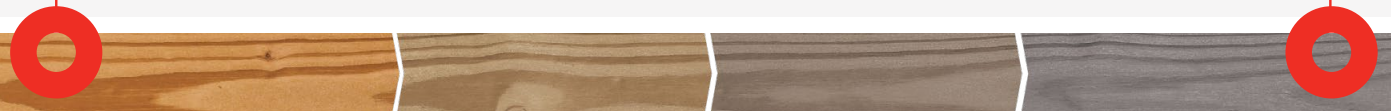
Tested by CATAS
TEST REPORT
132648

**COLOR CHANGES
AS THE WOOD AGES**

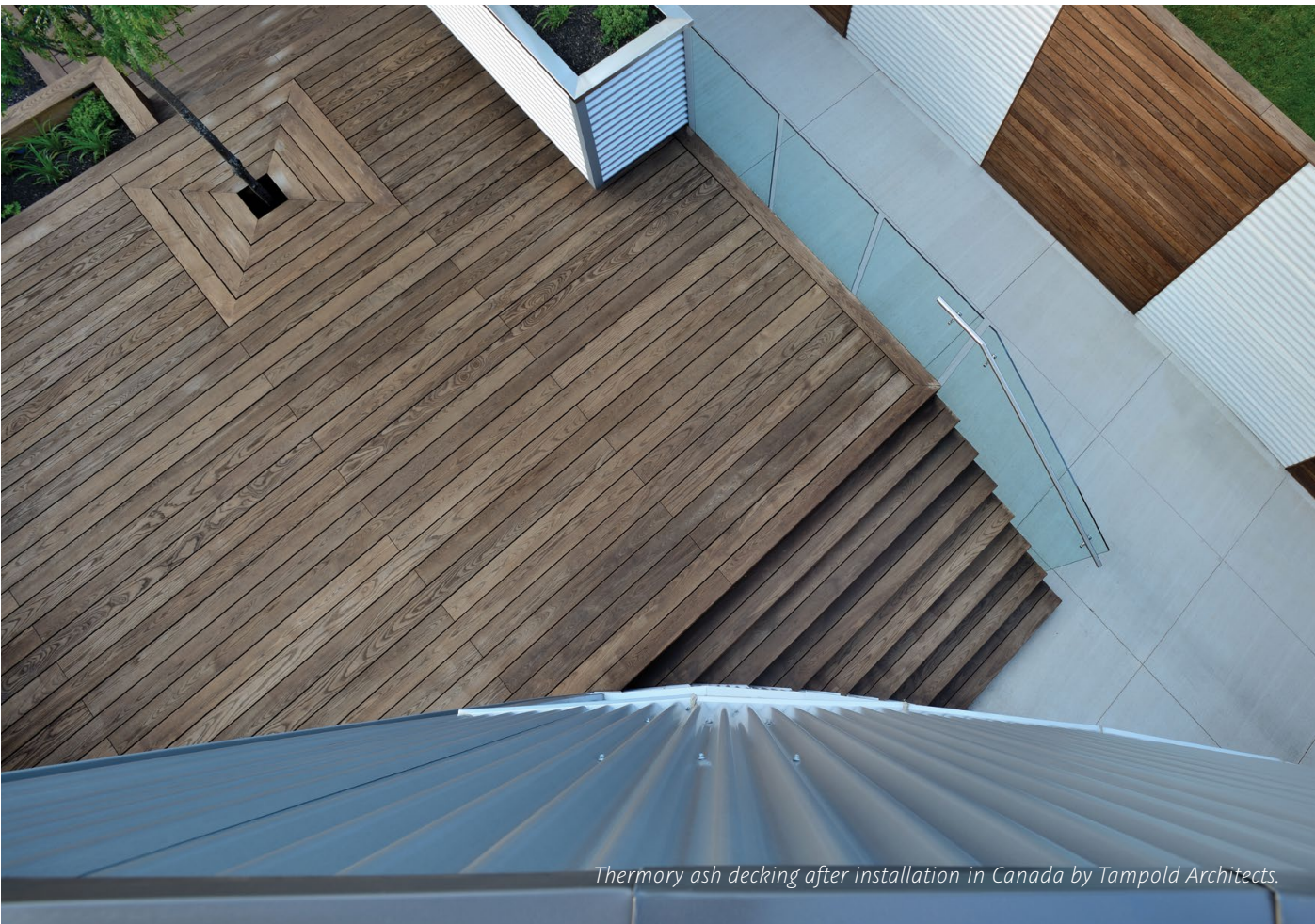
Sunlight and rain affect the speed at which our products age, which has an impact upon the color that the wood turns. In general, the result for spruce is a beautiful pale gray.

The natural look from our modification process is GOLDEN BROWN

Untreated products age over time, eventually reaching a beautiful silver GRAY tone



► The golden brown tone can be preserved by treating the product with a UV-protection oil once a year.



Thermory ash decking after installation in Canada by Tampold Architects.



Thermory ash decking aged and unoled in France.

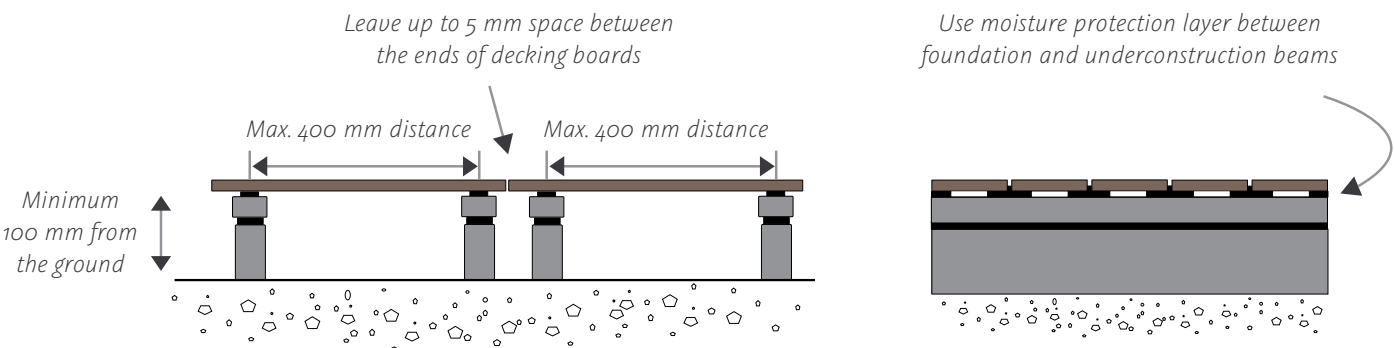
To ensure the most beautiful and truly long-lasting Thermory decking please follow the storage, installation and maintenance recommendations below.

Storage

Thermory decking boards should be stored out of the sun and rain. When this is not possible, boards need to be elevated off the ground, stacked uniformly and covered with a waterproof tarp. Leave the ends of the tarp open so moisture is not trapped inside, making certain the stored wood is not subjected to the sun as UV rays will fade the material. Under no circumstances should Thermory boards, even in original packaging, be subjected to rain or high moisture as they cannot dry properly when stacked and/or packaged.

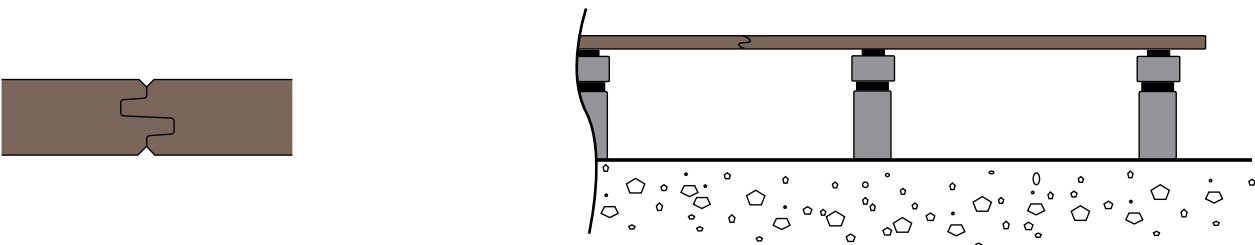
Building a proper foundation

- Thermory decking must be laid on even, flat joists.
- Good drainage is essential for directing water away from the structure.
- Wood must not be directly connected to wood. When using screws, leave about 4-6 mm between decking boards and underconstruction joists by using spacers. Thermory TENI clips and PaCS Strip achieve the same effect.
- Deck should lay at least 100 mm above ground as underconstruction beams must never be in contact with ground water.
- Recommended distance for underconstruction beams to support the decking is max. 400 mm



END-MATCHING

Most profiles can be produced with end-matching, which enables falling lengths to be installed efficiently. Thermory end-matching is tested for load bearing and do not have to be laid on the underconstruction joists.



Thermory® Decking I Benchmark Series



Thermory PaCS® ensures a flawless and durable deck with minimal installation time. PaCS® creates a beautiful decking surface with no visible screws in the simplest way imaginable – boards are fastened to the clips with a simple click! Available for both, Thermory ash and Thermory pine.

- Standard selection available by pack. For the rest of products minimum order quantity applies.



► SUPER EASY INSTALLATION
Quick installation system - saves time



► STRENGTH
Tested tearing strength 160kg per clip



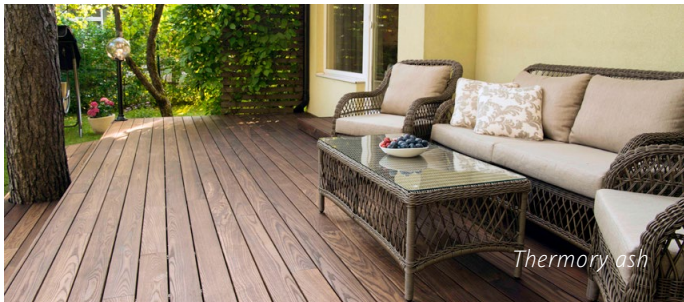
► APPEALING AESTHETIC
No visible screws

INSTALLATION: PaCS®					
PROFILE	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	THERMAL MODIFICATION	INSTALLATION CLIP
	Ash Pine	21 26	118 118	Intense	PaCS® Strip
	Ash	26	118	Intense	PaCS® Strip
New! 	Pine	26	118	Intense	PaCS® Strip



PaCS® Strip is a fastening solution for the PaCS® decking. PaCS® Strip is a six-clip strip that fixes three boards sideways onto one joist. The strip ends fit together and are secured to the joist. Deck boards then easily snap onto the clips. The gap between the boards is 5 mm. Stainless steel screws 4.0 x 30 mm and drill bit included with PaCS® Strip.

REQUIRED AMOUNT OF FASTENERS			
	pcs/rm	pcs/sqm	pcs per pack
PaCS® Strip (including screws)	x	75	300



For PaCS® installation procedures and requirements please follow Thermory Decking Installation Guide.

Thermory® Decking I Benchmark Series



Thermory’s Benchmark decking combines the natural beauty of thermally modified real wood with exceptional durability and easy installation.

- Standard selection available by pack. For the rest of products minimum order quantity applies.

► **SMOOTH FINISH**

Touchable smoothness for a splinter-free life.

► **NO HOT FEET**

Barefoot on the hottest day of the year? Absolutely.

► **HIDDEN FIXING AVAILABLE**

No visible screws

INSTALLATION: T-4 or T-6 CLIP					
PROFILE	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	THERMAL MODIFICATION	INSTALLATION CLIP
	Ash	● 20	95	Intense	T-4 clip
		● 20	112		T-6 clip
		● 20	132		
		● 20	150		
	Ash	26	90		T-4 clip
		● 26	115		T-6 clip
		26	130		
		● 26	145		



T-4 (width up to 112 mm)
T-6 (width over 112 mm)

Thermory® black-coated stainless steel clips “T-4” and “T-6” both create decking surface with no visible screws. Clip T-4 leaves a 4 mm gap between the boards and clip T-6 a 6 mm gap between the boards.

REQUIRED AMOUNT OF FASTENERS		
	pcs/rm	pcs per pack
T-4 clip (including screws)	2.5	500
T-6 clip (including screws)	2.5	500

For T-4 and T-6 clip installation procedures and requirements please follow Thermory Decking Installation Guide.



For a consistent and clean look all Thermory ash decking boards can be ordered with Joint End Matching (JEM). It will also reduce waste to the minimum.

Thermory® Decking I Benchmark Series

- Standard selection available by pack. For the rest of products minimum order quantity applies.

INSTALLATION: PC CLIP					
PROFILE	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	THERMAL MODIFICATION	INSTALLATION CLIP
	Pine	● 26 ● 26	115 140	Intense	PC clip
	Spruce	● 26	185	Intense, rustic, brushed	PC clip
	Pine	● 26 ● 26	115 140	Intense	PC clip



D4 sg
Thermory pine



D30 sg
Thermory pine



PC Clip

Thermory® black coated PC clip leaves a distance of 6 mm between the boards.

REQUIRED AMOUNT OF FASTENERS		
	pcs/rm	pcs per pack
PC clip (including screws)	2.5	500

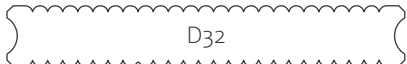
For installation procedures and requirements please follow Thermory Decking Installation Guide.

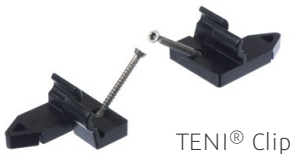
New! INSTALLATION: SUPRO H CLIP					
PROFILE	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	THERMAL MODIFICATION	INSTALLATION CLIP
	Ash	20	132	Intense	SUPRO H clip
	Pine	26	140		

SUPRO H clip is available on special request.

Thermory® Decking I Benchmark Series

● Standard selection available by pack. For the rest of products minimum order quantity applies.

INSTALLATION: TENI® CLIP					
PROFILE	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	THERMAL MODIFICATION	INSTALLATION CLIP
	Ash	20	95	Intense	TENI® clip
		● 20	112		
		20	118		
		● 20	132		
		20	150		
	Ash	20	132	Intense	TENI® clip
	Pine	26	115	Intense	TENI® clip
	Ash	26	115	Intense	TENI® clip
		26	130		
		26	160		
	Pine	26	115	Intense	
		26	140		
	Spruce	26	160	Intense	
	Ash	20	132	Intense	TENI® clip
		20	150		
	Ash	20	112	Intense	TENI® clip



TENI® Clip

TENI® clip leaves a distance of 6 mm gap between the boards. The 8 mm clip height guarantees good ventilation of the boards provided that the installation guide is properly followed. The TENI® clip itself is constructed from a UV resistant and weatherproof material, optimized for outdoor conditions. The 3.0 x 45 mm A2-type screw is compatible with wooden beams and the 4.0 x 25 mm screw for ALUC-L aluminum underconstruction beams.

REQUIRED AMOUNT OF FASTENERS		
	pcs/rm	pcs per pack
TENI® clip (including screws)	2.5	100

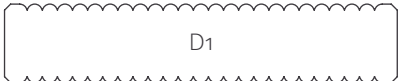
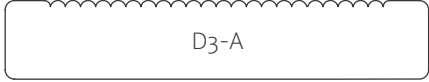
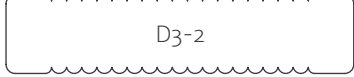
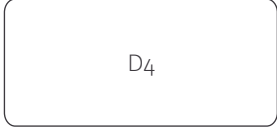
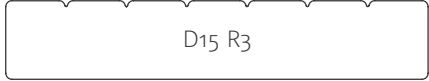
For TENI® installation procedures and requirements please follow Thermory Decking Installation Guide.



For a consistent and clean look all Thermory ash decking boards can be ordered with Joint End Matching (JEM). It will also reduce waste to the minimum.

Thermory® Decking I Benchmark Series

● Standard selection available by pack. For the rest of products minimum order quantity applies.

INSTALLATION: VISIBLE SCREWS					
PROFILE	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	THERMAL MODIFICATION	INSTALLATION
	Ash	26	130	Intense	Visible screws
New! 	Pine	26	140	Intense	Visible screws
	Pine	26	115	Intense	Visible screws
	Ash	20	95	Intense	
		20	112		
		20	132		
		20	150		
		20	190		
	Ash	26	90	Intense	
		26	115		
		26	130		
		26	145		
		● 26	160		
	Pine	● 42	42	Intense	Visible screws
		● 42	90		
		● 42	135		
		26	90		
		● 26	115		
	Pine	● 26	140	Intense	
		● 42	42		
		● 42	90		
		● 42	140		
		26	185		
	Spruce	26	185	Intense, rustic	
		● 42	68	Intense	
	Pine	26	140	Intense	Visible screws
	Ash	20	95	Intense	Visible screws
	Pine	26	115	Intense	Visible screws
		26	140		
	Pine	26	140	Intense	Visible screws
	Pine	26	117	Intense	Visible screws



screws

When using screws, leave about 4-6 mm between decking boards and underconstruction beams by using spacers. Always use stainless steel screws.

For installation procedures and requirements please follow Thermory Decking Installation Guide.



For a consistent and clean look all Thermory ash decking boards can be ordered with Joint End Matching (JEM). It will also reduce waste to the minimum.

Thermory® Decking I Rebel Series



Kodiak by Thermory gives your project the bold allure of the backwoods. Knotted spruce boards retain their natural appeal, while their extra wide size allows for faster installation. The brushed texture adds ruggedness without sacrificing the refined look.

● Standard selection available by pack. For the rest of products minimum order quantity applies.



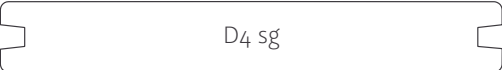
► **LUXURIOUS WIDE BOARDS**
Extra wide size for bold looks and faster installation



► **STABILITY**
Dimensionally stable due to a significant reduction in equilibrium moisture content



► **RUSTIC BRUSHED LOOKS**
Brushing highlights the wood's natural grain

DECKING: KODIAK					
PROFILE	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	THERMAL MODIFICATION	INSTALLATION CLIP
	Spruce	26	185	Intense rustic, brushed	Visible screws
	Spruce	● 26	185	Intense rustic, brushed	PC clip

“Kodiak by Thermory” combines a natural look and feel with impressive size and unequalled durability. Knotted thermally modified spruce decking boards retain their natural appeal, while their extra wide size allows faster installation. The brushed texture adds ruggedness without sacrificing the refined look.

“Kodiak by Thermory” also available as cladding.



Thermory® Decking I Designer Series

● Standard selection available by pack. For the rest of products minimum order quantity applies.



► **HIDDEN FIXING**
No visible screws



► **EASY INSTALLATION**
Easy to install and deinstall



► **THERMALLY MODIFIED**
Naturally enhanced for high durability and dimensional stability

DECKING: QUICKDECK®					
PRODUCT	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	LENGTHS MM PER PACK	THERMAL MODIFICATION
QuickDeck® Maxi	Ash	● 32	238	450/900/ 1350/1800	Intense
QuickDeck® Mosaic	Ash	● 31	199	595/ 795	Intense



QuickDeck® Maxi



QuickDeck® Mosaic

Building a deck is easy with the Thermory QuickDeck® collection. QuickDeck® offers a range of pre-fabricated deck tiles in two design options: Maxi and Mosaic. These deck tiles have weatherproof plastic support underneath which easily snaps one deck tile to another. The modules can be laid on even surface both indoors and outdoors, without any underconstruction beam. Quickdeck comes packed in boxes and is normally available from stock.

Thermory QuickDeck®:

- Smooth decking surface with no visible screws
- Easy installation on solid ground (no tools, no screws needed)
- Exotic brown tone of Thermory ash
- Chemical-free wood surface under the feet
- Highly durable wood due to thermal modification.



Thermory QuickDeck® Maxi



Thermory QuickDeck® Mosaic

Thermory® Decking I Designer Series



Bole with Thermory combines beautiful aesthetic elements and the technical benefits from intensive thermal modification process – increased dimensional stability and durability.

▶ APPEALING AESTHETIC
Create distinctive patterns

▶ LUXURIOUS WIDE BOARDS
Extra wide size for bold looks and faster installation

▶ THERMALLY MODIFIED
Naturally enhanced for high durability and dimensional stability

DECKING: THERMORY WITH BOLE						
PRODUCT	WOOD SPECIES	THICKNESS (MM)	WIDTH (MM)	LENGTH (MM)	THERMAL MODIFICATION	INSTALLATION CLIP
Thermory with Bole	Ash	21	90-180	2400	intense	TENI® clip



Each “Thermory with Bole” six-piece curved decking module matches perfectly with the next module, creating an endless repeating pattern with a natural look.



TENI® clip creates a beautiful decking surface with no visible screws and leaves a distance of 6 mm between the boards.

For installation procedures and requirements please follow Thermory Decking Installation Guide.

Thermory® Decking I Designer Series



Herringbone by Thermory allows to create a stunning herringbone-patterned deck with ease. Installation time is less than 1/3 the time that it would otherwise take and the end result is a beautifully patterned Thermory ash decking surface with no visible screws.

● Standard selection available by pack. For the rest of products minimum order quantity applies.

▶ APPEALING AESTHETIC
Create distinctive patterns

▶ EASY INSTALLATION
Innovative solution saves you a whole lot of time

▶ HIGH DURABILITY
High level of rot resistance

DECKING: HERRINGBONE BY THERMORY						
PRODUCT	WOOD SPECIES	THERMAL MODIFICATION	MODULE THICKNESS (MM)	MODULE WIDTH (MM)	MODULE TOTAL LENGTH (MM)	INSTALLATION
Decking module	Ash	intense	● 28	812	500	screws
Starter and end cap modules	Ash	intense	● 28	812	394	screws

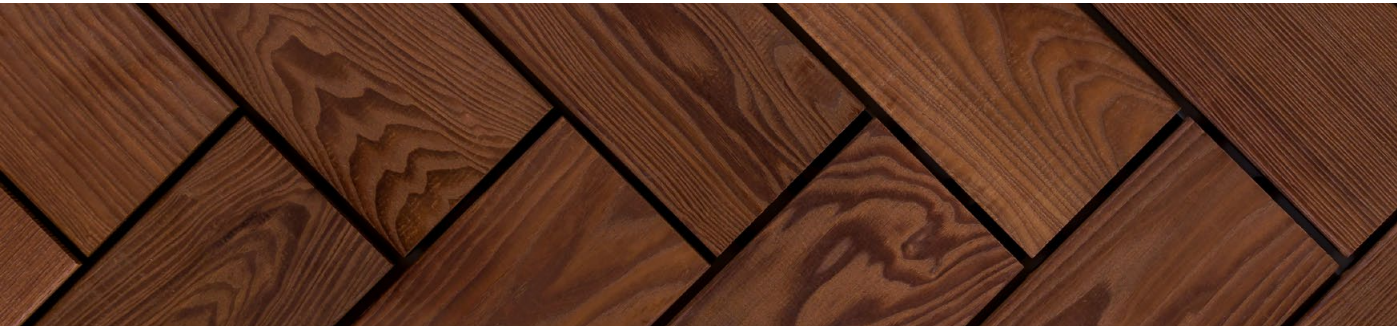
How?



- Decking modules match up perfectly to create an effortless herringbone pattern.
- Starter and end cap modules allow a simple starting and ending of each pattern line.
- The under-mounting strips align the boards and make installation easy.

Packaging

- Main decking module box includes:
- 4 Herringbone decking modules (covering total 1,6m²) and screws. Extras included: 2 under-mounting strips for option edge mounting and 1 installation spacer every second box.
- Starter and end cap module box includes:
- 2 starter modules and 2 end cap modules, plus screws.



For installation procedures and requirements please follow Thermory Decking Installation Guide.

Thermory® Decking | Additional Information

BOARD LENGTHS

Boards are generally sold in random lengths, subject to stock availability.

Length information of Thermory decking boards:

- Thermory ash is generally produced in length range 1200-4800 mm.
- Thermory pine and Thermory spruce in length range 3000-6000 mm.
- PaCS decking boards such as D45J, D4J and D30J are limited to maximum length 4800 mm.

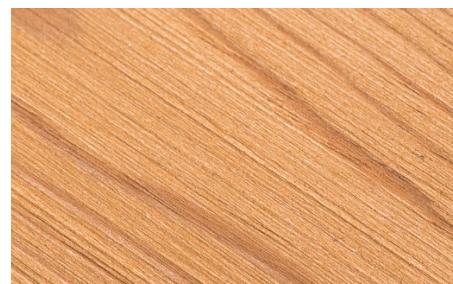
Please check availability of specific lengths of interest from our sales team sales@thermory.com.

SURFACE TEXTURES



► BRUSHING

Brushing is available as an extra feature. Brushing beautifully highlights the natural wood grain pattern. Brushing increases the surface soundness of wood as the softer parts of wood are brushed out and scratches and bruising do not occur as easily. “Kodiak by Thermory” is an example of brushed wood decking (see page).



INSTALLATION

For installation procedures and requirements please follow Thermory Decking Installation Guide.

MAINTENANCE

Without protective maintenance, thermally modified wood will turn silver-gray, although the material will retain its weather-resistant properties. The rich chocolate brown color of Thermory ash can be preserved by regularly coating it with UV-protection oil.



Aged and unoiled Thermory pine deck.

More information from Thermory Decking Installation Guide.

Version last updated: April 2020