

THERMORY®
Excellence in Wood

2020



Enhancing environments through functional design.

Thermory is the union of science and design. Decking, cladding and porch flooring with unequalled longevity and lasting natural beauty. When you don't want to settle, you want Thermory.

Real wood products with beauty and stability to the core.

► DECKING ► CLADDING ► PORCH FLOORING



Explore the world of **THERMORY®**

04 | We Are Thermory

For over 20 years, we've been solving the industry's biggest problems with unequalled innovation and stunning results.

06 | Our Footprint

12 | Our Benchmark Series

The natural result of our expert modification process is the beautiful, simple Benchmark Series.

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Thermory products have been the used in some amazing ways - see for yourself, then see what you can do with Thermory!

34 | Our Rebel Series

Fortune favors the bold. Our Rebel Series products dare you to untame your aesthetic and break the mold of conventional design.

36 | Drift

The look of reclaimed wood without the variables and risks. Drift creates a weathered color and texture with the stability you need.

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Ignite by Thermory mimics the traditional look of shou sugi ban with the added benefits of thermal modification.

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Our commitment to innovation doesn't end with our wood products. With Thermory, installation and maintenance are easier than ever.

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64 | Partner Products



We are Thermory

Delivering superior quality and
unequalled beauty for over

20 years.

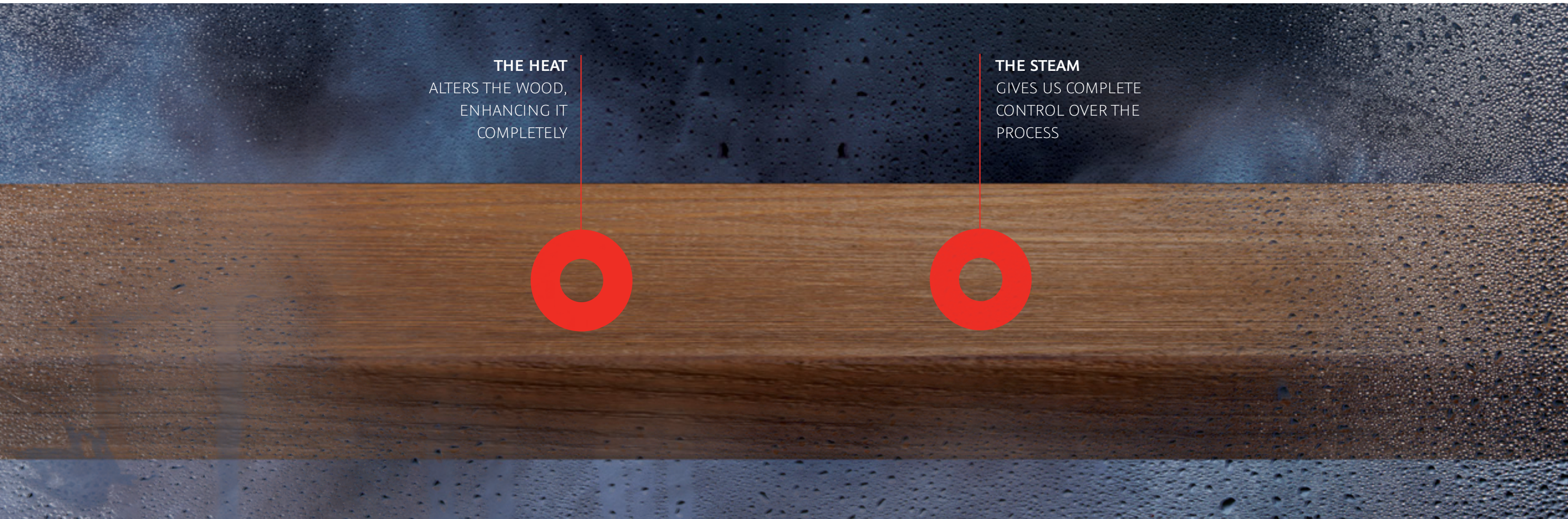
Thermory is driven by a desire to lead the industry in innovation and efficiency. Our standards are high, and our process has been proven by decades of consistent performance.

We strive to offer reliable solutions through a deep understanding of our process, products and the needs of our customers. We study the industry and anticipate needs in order to offer valuable product solutions that exceed expectations.



We're committed to **sustainability** from start to finish.

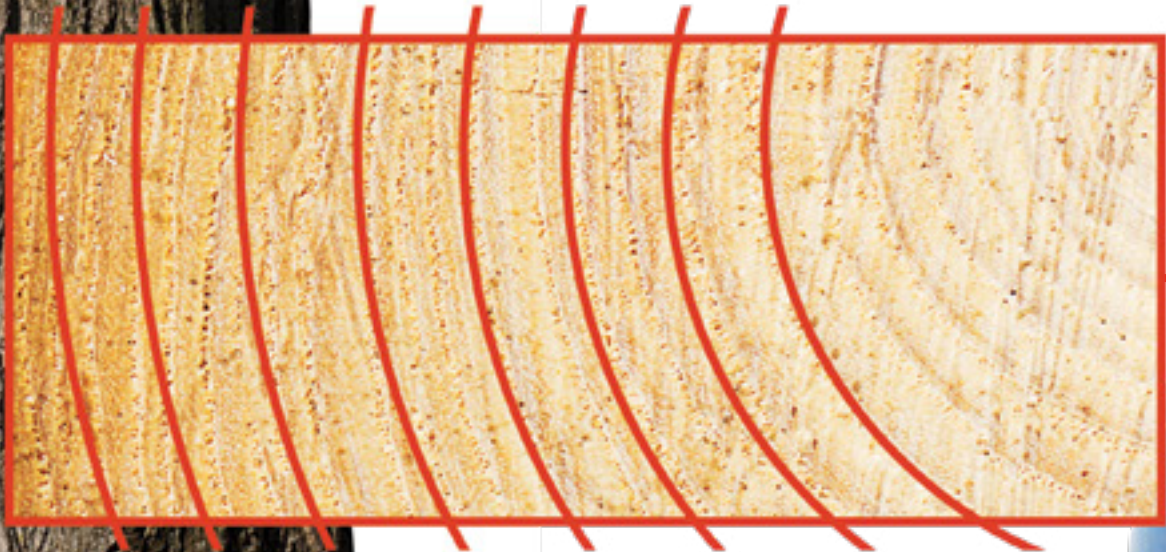
We naturally enhance each board using **only** heat and steam.



Our commitment to quality control begins the moment the wood is sourced.

We carefully source and select our raw materials in order to preserve forests and provide unrivaled products. Our lumber standards exceed industry grading standards so that our products exceed your expectations.

Clean process, responsible sourcing.
Thermory is driven to maintain a company culture of responsibility.



WHITE ASH

NORTH AMERICA
AND NORTHERN
EUROPE

Sourced for highest
quality with lowest
environmental
impact.



SPRUCE &
SCOTS PINE

SCANDINAVIA

Scandinavia is known
for having the most
responsible forestry
practices in the world.



Diverse global sourcing
allows for insurance
against environmental and
biological threats (such as
the emerald ash borer).

Fuel-efficient shipping.
Boards are modified in
Estonia and shipped to the
US by water - 10x more
efficient than trucks.

Our process sets the bar and challenges the industry to **try to keep up.**



One of our thermal modification chambers located in our Estonia factory.



Owning Our Technology

Our proprietary process uses advanced technology and 20,000 square foot chambers to yield consistent, superior results in every batch.



Masterminding The Process

Our wood scientists control our modification process and tirelessly pursue perfection in every board. From temperature to fan speed, each batch is tailored to optimize results.



Creating Superior Products

Our wood scientists and proven process come together to create products that change the landscape of the wood industry - products that offer valuable solutions to the problems you face.

Rot Resistant

Each board is naturally enhanced for significantly reduced moisture absorbency.

Exceptional Durability

Rot resistance that few products, exotic or engineered, come close to equalling.



Smooth-Kissed Milling

Each board is smooth, straight and reliable. Touch it, feel it, love it.



Thermory Takes Testing Seriously

Our products are consistently proven through third-party test results.



ROT RESISTANCE



STABILITY



FIRE



STRENGTH



TERMITE

Complete modification of every fiber.

Our process modifies each board completely, all the way through the core, leading to unequalled durability and stability. At Thermory, we leave no fiber unaltered.

The result of a process
that has no equal?

The highly functional, beautifully simple Benchmark Series.

For sophisticated real wood products that set the bar for longevity and rot resistance, the Thermory Benchmark Series is the clear, unequalled choice. The natural result of our expert modification process is the highly functional, beautifully simple Benchmark Series.



Pictured Above:
White Ash (Top)
Scots Pine (Bottom)

THERMALLY MODIFIED

White Ash

White Ash (hardwood) sourced in North America & Europe offers a knot-free rich, classic color.



APPLICATIONS	COLOR EVOLUTION
<div><div>▶ DECKING</div><div>▶ CLADDING</div><div>▶ PORCH FLOORING</div></div>	<div><div>▶ Exotic Brown color naturally silvers over time.</div><div>▶ Aging time varies based on application and climate.</div><div>▶ Color can be retained by treating with Thermory-recommended oil as-needed.</div></div>

ASH VS. TROPICAL WOOD	Our thermally modified ash is comparable to tropical wood in aesthetic and durability. But in a head-to-head matchup, Thermory comes out on top.
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	Benchmark WHITE ASH	TROPICAL WOOD	SYNTHETIC*
DURABLE	✓	✓	✓
REAL WOOD	✓	✓	✗
COLOR REJUVENATION	✓	✗	✗
CONSISTENT COLOR	✓	✗	✓
ROT RESISTANT 25+ YEARS	✓	✗	✓
DIMENSIONALLY STABLE	✓	✗	✗
EASY TO INSTALL	✓	✗	✓
LIGHTWEIGHT	✓	✗	✗
NON-TOXIC DUST	✓	✗	✗
JEM JOINT	✓	✗	✗
EARTH-FRIENDLY	✓	✗	✗

THERMALLY MODIFIED

Scots Pine

Scots Pine (softwood) sourced in Scandinavia offers a naturally light color, distinctive knots, and no visible sapwood.



APPLICATIONS	COLOR EVOLUTION
<div><div>▶ DECKING</div><div>▶ CLADDING</div></div>	<div><div>▶ Golden Brown color naturally silvers over time.</div><div>▶ Aging time varies based on application and climate.</div><div>▶ Color can be retained by treating with Thermory-recommended oil as-needed.</div></div>

SCOTS PINE VS. CEDAR	Our thermally modified pine is comparable to cedar in color and durability. But in a head-to-head matchup, Thermory comes out on top.
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	Benchmark SCOTS PINE	CEDAR	SYNTHETIC*
DURABLE	✓	✓	✓
REAL WOOD	✓	✓	✗
COLOR REJUVENATION	✓	✗	✗
CONSISTENT COLOR	✓	✗	✓
ROT RESISTANT 20+ YEARS	✓	✗	✓
DIMENSIONALLY STABLE	✓	✗	✗
EASY TO INSTALL	✓	✗	✓
LIGHTWEIGHT	✓	✓	✗
NON-TOXIC DUST	✓	✓	✗
STRONG LENGTH STRUCTURE	✓	✗	✗
EARTH-FRIENDLY	✓	✓	✗

White Ash Profiles

White Ash Decking



1X4 DECKING - GROOVED (JEM)
▶.79 x 3.7 ▶ Installation - B1B or T4 hidden clip



1X4 DECKING - NO GROOVE (JEM)
▶.79 x 3.7 ▶ Installation - FG screw



1X6 STANDARD DECKING - GROOVED (JEM)
▶.79 x 5.2 ▶ Installation - T6 hidden clip



1X6 STANDARD DECKING - NO GROOVE (JEM)
▶.79 x 5.2 ▶ Installation - FG screw



1X6 MAX DECKING - GROOVED (JEM)
▶.79 x 5.9 ▶ Installation - T6 hidden clip



1X6 MAX DECKING - NO GROOVE (JEM)
▶.79 x 5.9 ▶ Installation - FG screw



5/4 X 4 DECKING - GROOVED (JEM)
▶1.02 x 3.5 ▶ Installation - B1B or T4 hidden clip



5/4 X 4 DECKING - NO GROOVE (JEM)
▶1.02 x 3.5 ▶ Installation - FG screw



5/4 X 6 STANDARD DECKING - GROOVED (JEM)
▶1.02 x 5.1 ▶ Installation - T6 hidden clip



5/4 X 6 STANDARD DECKING - NO GROOVE (JEM)
▶1.02 x 5.1 ▶ Installation - FG screw



5/4 X 6 MAX DECKING - GROOVED (JEM)
▶1.02 x 5.7 ▶ Installation - T6 hidden clip



5/4 X 6 MAX DECKING - NO GROOVE (JEM)
▶1.02 x 5.7 ▶ Installation - FG screw



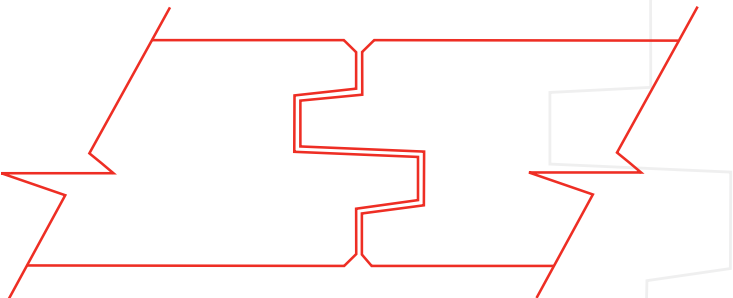
5/4 X 5 DECKING - PACS GROOVED (JEM)
▶1.02 x 4.65 ▶ Installation - PaCS decking clip



5/4 X 5 DECKING - NO GROOVE (JEM)
▶1.02 x 4.65 ▶ Installation - FG screw



5/4 X 5 DECKING - GROOVED (JEM)
▶1.02 x 4.65 ▶ Installation - T6 hidden clip



JEM Joints

Install decking, cladding and porch flooring without being held hostage by joist requirements. See pg. 56 to learn more.

White Ash Cladding



1 X 6
CLADDING - T/G
(JEM)

- ▶ .79 x 5.9
- ▶ Installation - 60mm FG screw



1 X 4
CLADDING - T/G
(JEM)

- ▶ .79 x 3.7
- ▶ Installation - 60mm FG screw



1 X 6
CLADDING - C20
(JEM)

- ▶ .79 x 5.9
- ▶ Installation - 60mm FG screw



1 X 6
CLADDING - C23J
(JEM)

- ▶ .79 x 5.9
- ▶ Installation - PaCS

Thomas Tampold, Yorkville Design Center, Toronto ON.
Photography by Larry Arnal



White Ash Porch Flooring

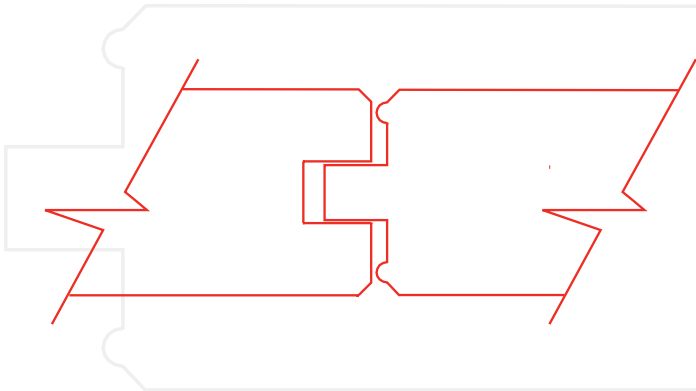


1 X 4 PORCH FLOORING (JEM)

- ▶ .79 x 3.7
- ▶ Installation - 60mm FG screw

Expansion Beads

Innovative expansion beads prevent warping. Learn more on pg. 56.



White Ash Standard Stock



2 X 4

- ▶ 1.65 x 3.5



2 X 6

- ▶ 1.65 x 5.5



1 X 8

- ▶ .79 x 7.5

Scots Pine Decking



5/4 X 5 DECKING - GROOVED
► 1.02 x 4.65 ► Installation - PaCS decking clip



5/4 X 5 DECKING - NO GROOVE
► 1.02 x 4.65 ► Installation - FG screw



5/4 X 6 DECKING - GROOVED
► 1.02 x 5.5 ► Installation - PC hidden clip



5/4 X 6 DECKING - NO GROOVE
► 1.02 x 5.5 ► Installation - FG screw

Scots Pine Cladding



1 X 6
CLADDING - C20
(JEM)
► .79 x 5.5
► Installation -
60mm FG screw



1 X 6
CLADDING - C19
(JEM)
► .79 x 5.5
► Installation -
60mm FG screw



REVERSIBLE

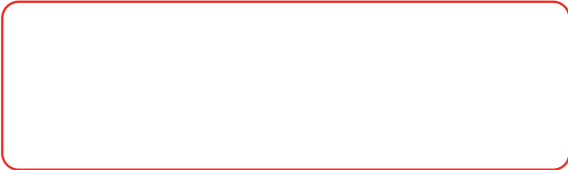


Belgium

Scots Pine Standard Stock



2 X 4
► 1.65 x 3.5



2 X 6
► 1.65 x 5.5



1 X 6 (JEM)
► .75 x 5.5





The Gardens by the Mandalay, Dallas, TX

Environmental sustainability was important for this innovative rooftop garden. The 23,306 linear feet of beautiful winding walkway from Thermory provided LEED points while offering the long-lasting, low-maintenance stability required.

APPLICATIONS

► DECKING

SPECIES

► WHITE ASH

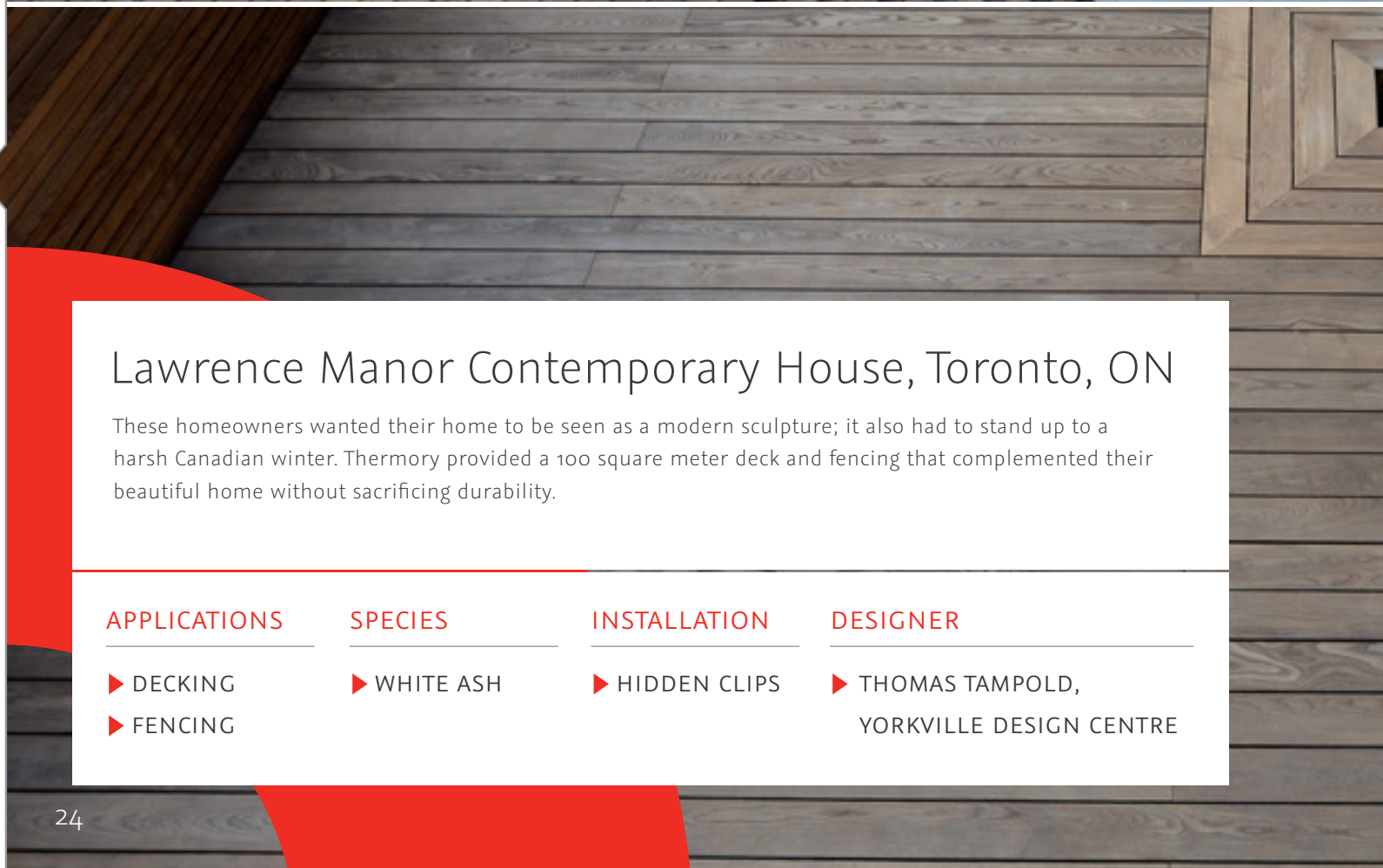
INSTALLATION

► HIDDEN CLIPS

DESIGNER

► SANTOSH GEORGE,
COMPLETE LANDSCULPTURE





Lawrence Manor Contemporary House, Toronto, ON

These homeowners wanted their home to be seen as a modern sculpture; it also had to stand up to a harsh Canadian winter. Thermory provided a 100 square meter deck and fencing that complemented their beautiful home without sacrificing durability.

APPLICATIONS

- ▶ DECKING
- ▶ FENCING

SPECIES

- ▶ WHITE ASH

INSTALLATION

- ▶ HIDDEN CLIPS

DESIGNER

- ▶ THOMAS TAMPOLD,
YORKVILLE DESIGN CENTRE



The Gathering Place, Tulsa, OK

The Gathering Place was George Kaiser's gift to his hometown. The 64-acre park is located just outside of downtown Tulsa. This city hub features a number of Thermory decks and structures, all designed to bring people together.

APPLICATIONS

- ▶ DECKING
- ▶ CLADDING
- ▶ CUSTOM

SPECIES

- ▶ WHITE ASH

INSTALLATION

- ▶ FG SCREWS

DESIGNER

- ▶ MICHAEL VAN VALKENBURGH ASSOCIATES INC.

Yoki Treehouse, Austin, TX

This unique and lofty eco-retreat is a sustainable treehouse where guests can enjoy a few rustic, unforgettable days. For ArtisTree®, sustainability and function are always top priorities. Thermory offered a sophisticated feel without compromising their core values.

APPLICATIONS

► CLADDING

SPECIES

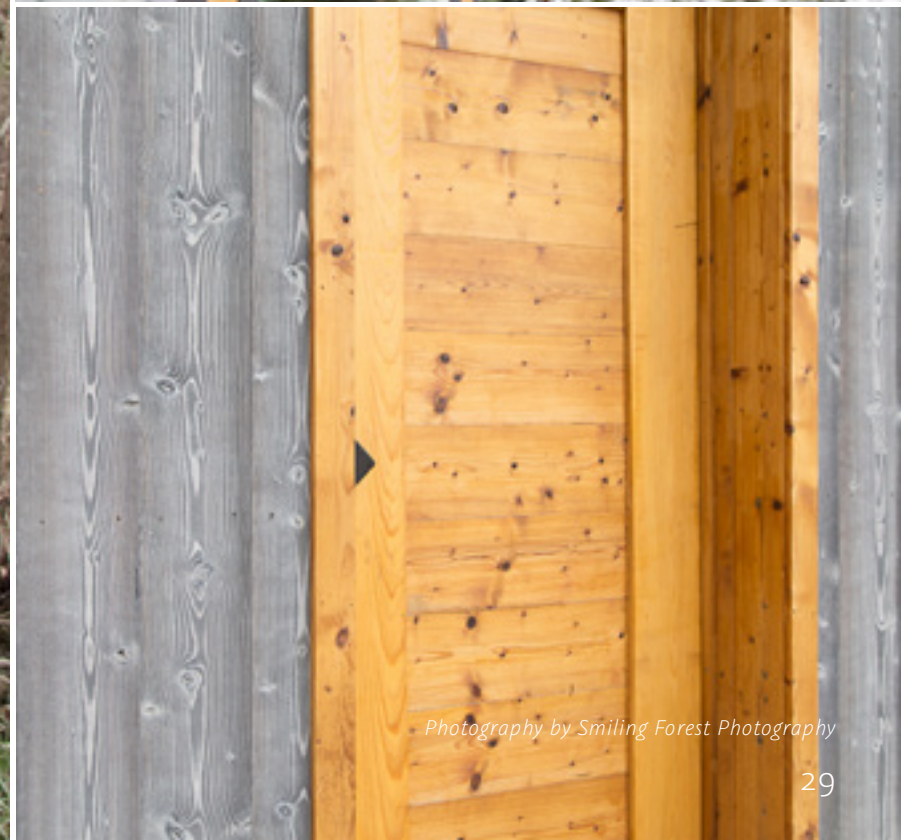
► DRIFT SPRUCE,
BLACK PEARL

INSTALLATION

► FG SCREWS

DESIGNER

► WILL BEILHARZ, ARTISTREE®



Port of Helsinki, West Terminal 2, Helsinki, Finland

Helsinki's new ferry terminal aimed to combine functionality with high-level architecture and design. Its dramatic, sophisticated curved ceiling from Thermory eliminates glare, letting passengers get the most out of the stunning sea views.

APPLICATIONS

► CEILING

SPECIES

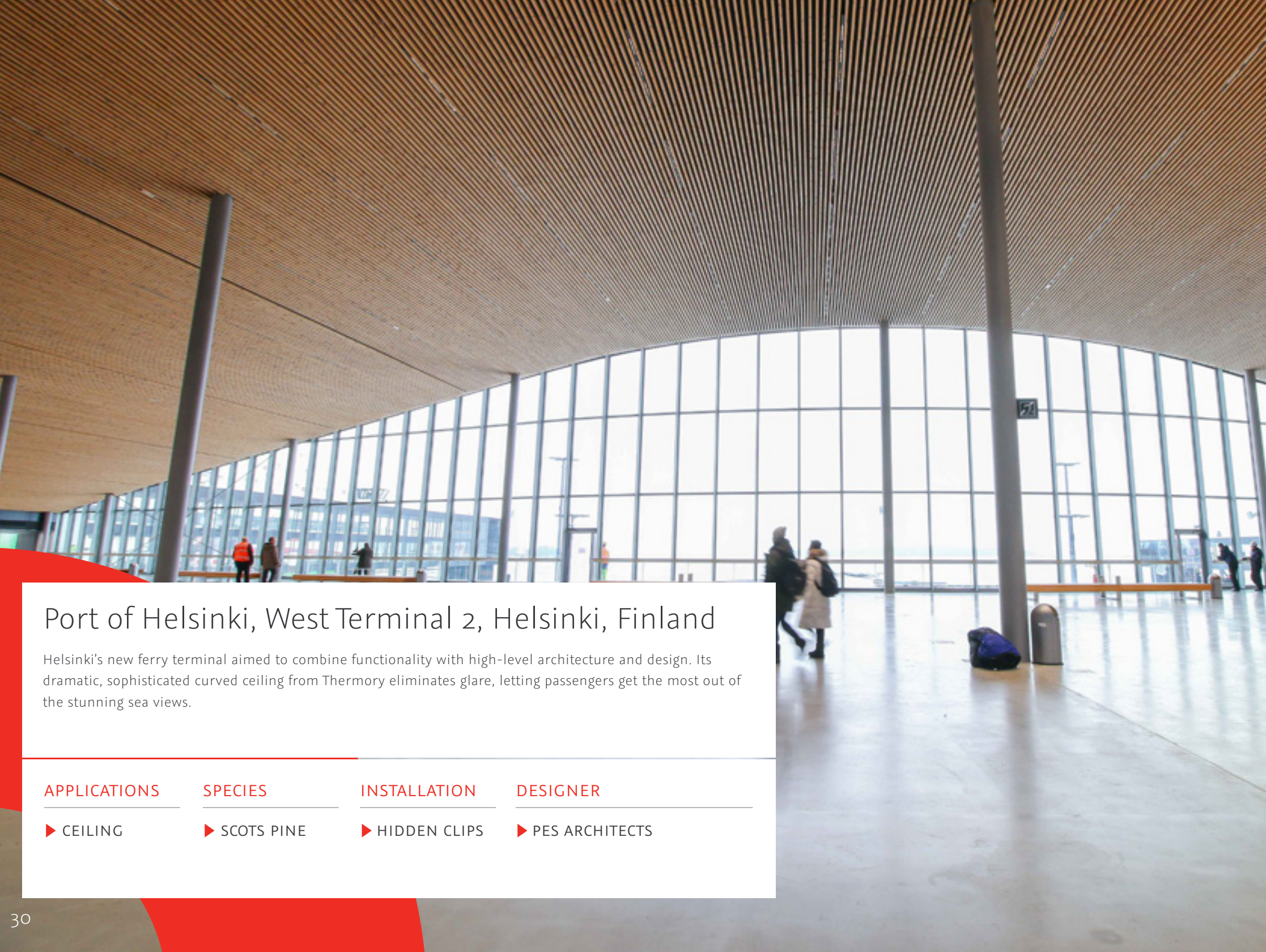
► SCOTS PINE

INSTALLATION

► HIDDEN CLIPS

DESIGNER

► PES ARCHITECTS



Disney Store, Shanghai, China

The first Disney store in China, and largest in the world, needed a timeless, long-lasting facade that mirrored their classic reputation. Thermory provided Ash cladding that perfectly complemented the innovative design of the store and surrounding area.

APPLICATIONS	SPECIES	INSTALLATION	DESIGNER
▶ CLADDING	▶ WHITE ASH	▶ PACS	▶ GENSLER ARCHITECTS



迪士尼旗舰店

The Bold Look You Want.

You want to be a boundary pusher. After all, you didn't work this hard to tread softly on well-worn paths. Your projects tend to break the mold, creating something unique and memorable each time.

The Rebel Series of products offers bold looks for those looking to tear up the map and create an aesthetic all their own. From daring finishes to striking textures, the Rebel Series dares you to defy convention without sacrificing performance.

This is the Rebel Series.
Untame your aesthetic.



Drift

Defying Convention

Patience may be a virtue, but passion can make you restless. Drift gives you a headstart on getting the rustic, silver finish you'd otherwise have to wait years to achieve. Because you know what? Sometimes virtue is overrated.

APPLICATIONS

► CLADDING

SPECIES

► SPRUCE

COLOR

* Drift comes in a variety of realistically-weathered colors.

Drift uses thermally modified spruce to create a stunning product with a 25+ year rot resistance rating.

Drift offers the look of reclaimed wood without the unknowns. Brushed and stained for a realistically-weathered look with a high degree of dimensional stability.

Spruce Cladding

1 X 8

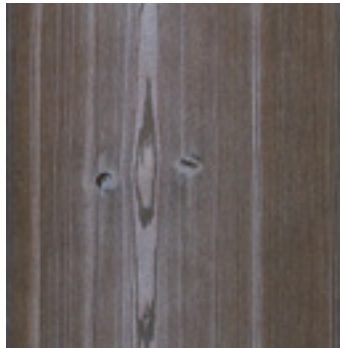
CLADDING

GROOVED

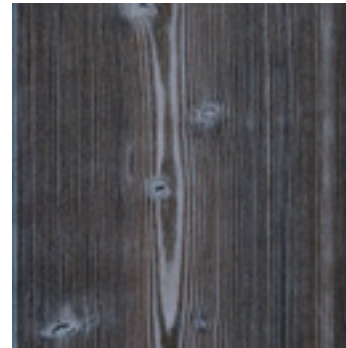
C15 (JEM)

▶ .79 x 7.3

▶ Installation -
60mm FG
screw



Platinum



Black Pearl



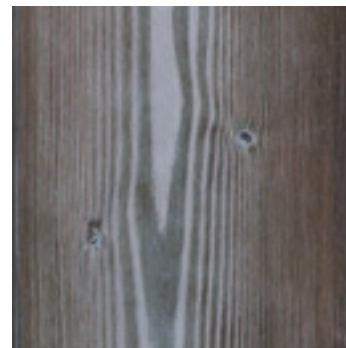
Smoked Brandy



Sandy Pearl



Gun Powder



Silver Storm





Smoked Brandy

ignite

Ancient Tradition,
Modern Performance.

Hundreds of years ago, Japanese woodworkers prolonged the life of wood by charring the surface, known as shou sugi ban. Ignite offers the traditional look of charred wood with a deceptively flame-free process.

Ignite by Thermory offers the shockingly realistic look of charred wood, without the flames.

APPLICATIONS

▶ CLADDING

SPECIES

▶ SPRUCE

COLOR

▶ MATTE BLACK

Ignite by Thermory mimics the traditional look of shou sugi ban with the added benefits of thermal modification.

Ignite by Thermory creates its signature dragon scale pattern by embossing, brushing and tinting thermally modified spruce with a deceptively flame-free process.

Spruce Cladding



1 X 6
CLADDING
GROOVED
C2o (JEM)
▶ .79 X 5.2
▶ Installation -
60mm FG
screw

▲
DRAGON
SCALE

▲
BRUSHED

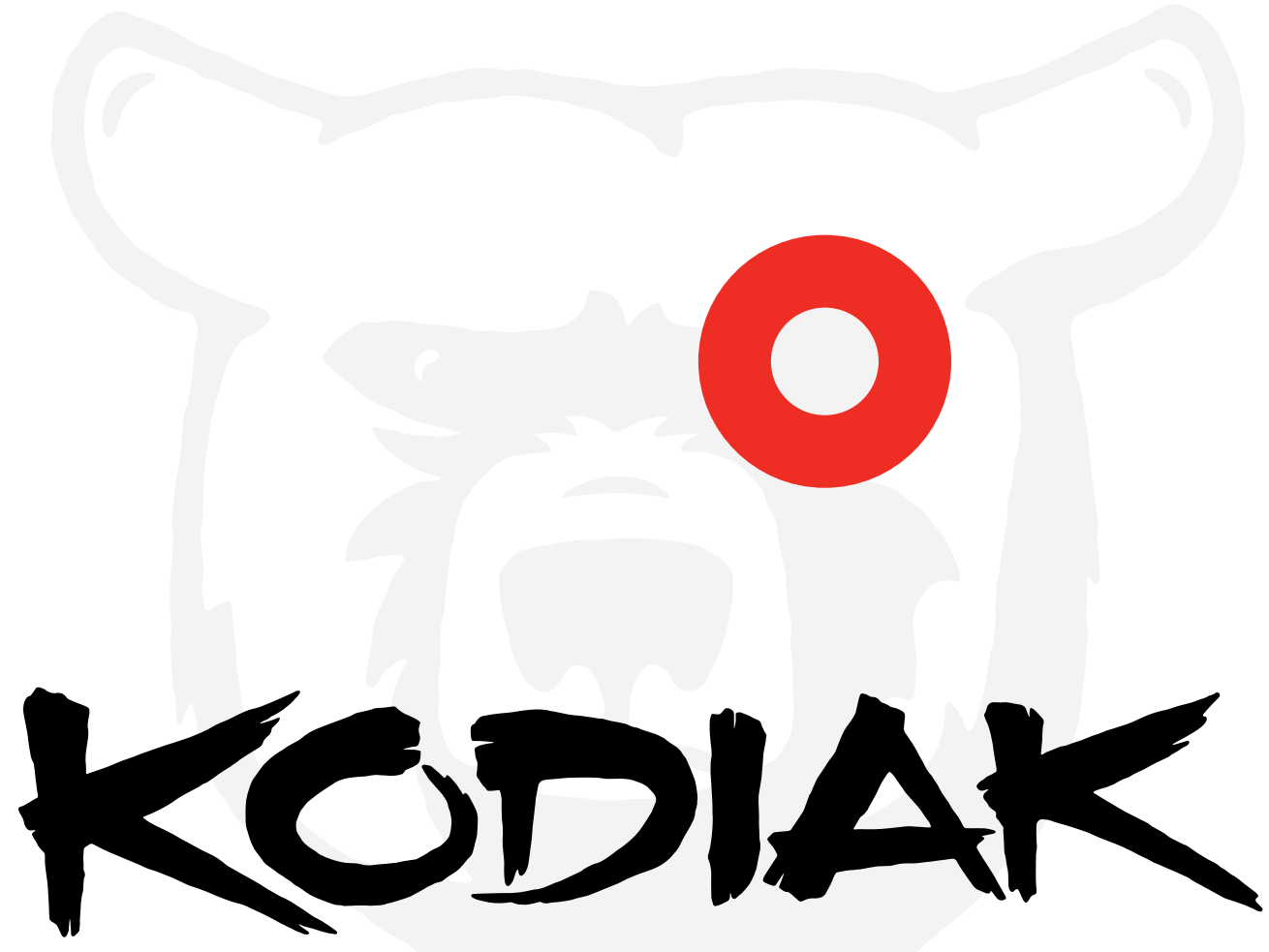


Dragon Scale



Brushed





KODIAK

The Most Rugged Board In The Forest.

In the islands of an Alaskan archipelago, the Kodiak bear rules the forest. The largest of the brown bears, an encounter with a Kodiak bear is sure to astonish. Kodiak by Thermory combines a natural look and feel with impressive size and unequalled durability, for a bold real wood board that rules the forest.

APPLICATIONS	SPECIES	COLOR
▶ DECKING ▶ CLADDING	▶ SPRUCE	▶ GOLDEN BROWN



Knotty 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 you crave.

Unlike other softwood products, Thermory's thermal modification process ensures there's no visible sapwood – just the consistent color of heartwood from edge to edge.

Spruce Decking



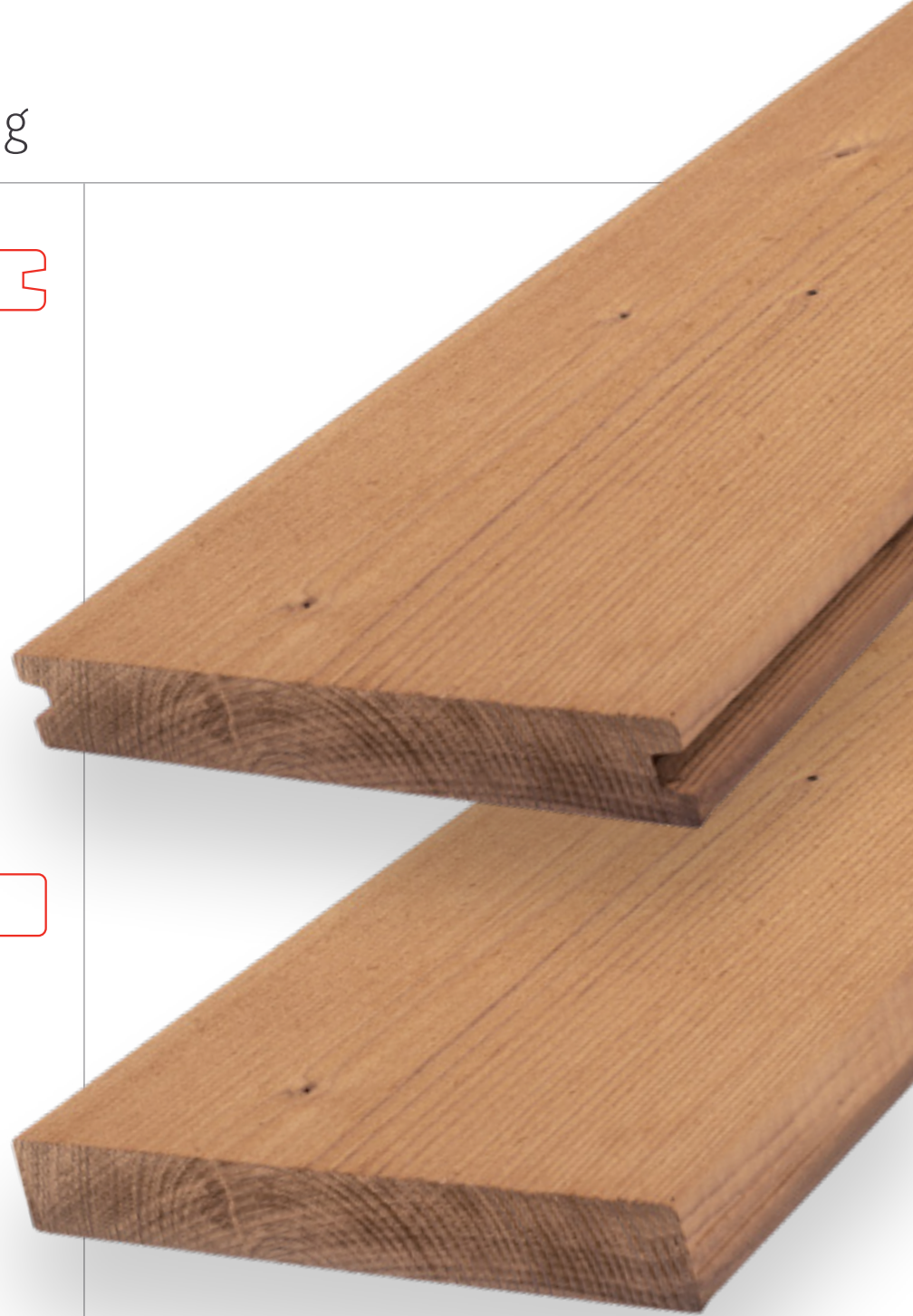
5/4 X 8 DECKING - GROOVED

- ▶ 1.02 X 7.25
- ▶ Installation - PC hidden clip



5/4 X 8 DECKING - NO GROOVE

- ▶ 1.02 X 7.25
- ▶ Installation - 60mm FG screw



Spruce Cladding



1 X 8 CLADDING GROOVED C15 (JEM)

- ▶ .79 X 7.3
- ▶ Installation -
60mm FG
screw





Installation Solutions

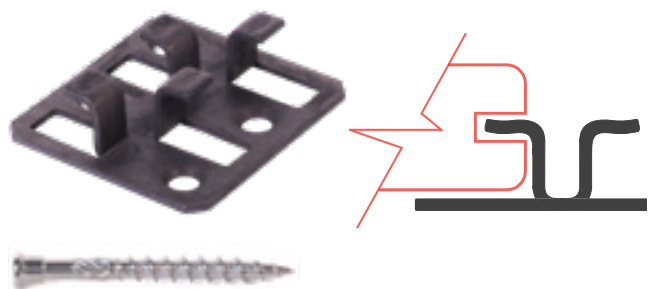
Exceptional rot resistance and a sophisticated aesthetic deserve easy, efficient installation.

That's why we've developed innovative installation methods that offer solutions to some of the industry's most pervasive problems. Thermory products are easy to install, and save you time and money.



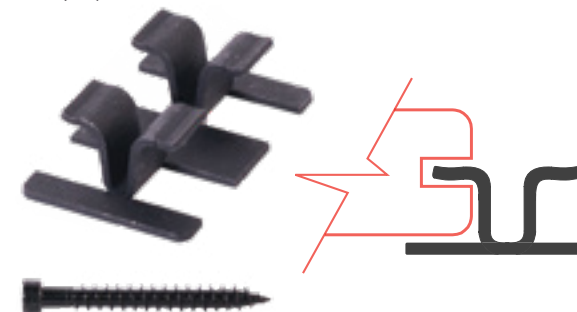
Installation Hardware

B1-B (4")



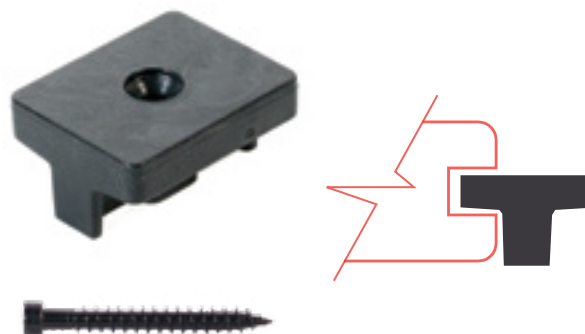
4" HIDDEN CLIP WITH SCREW
 ► DECKING ► WHITE ASH

T4 (4")
T6 (6")



4" OR 6" HIDDEN CLIP WITH SCREW
 ► DECKING ► WHITE ASH

PC (6")



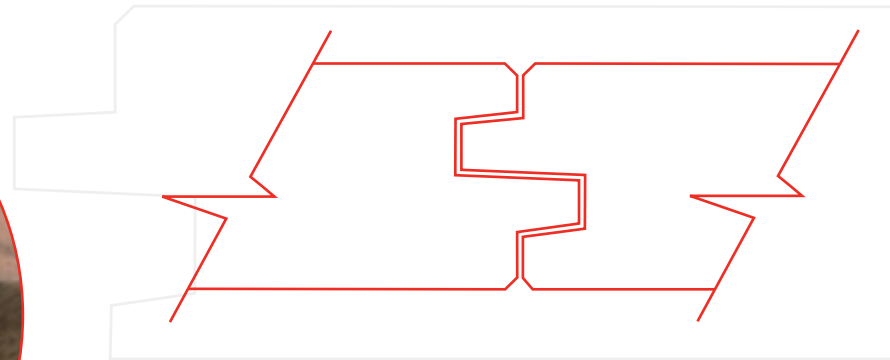
6" HIDDEN CLIP WITH SCREW
 ► DECKING ► SCOTS PINE ► KODIAK SPRUCE

FG SCREWS



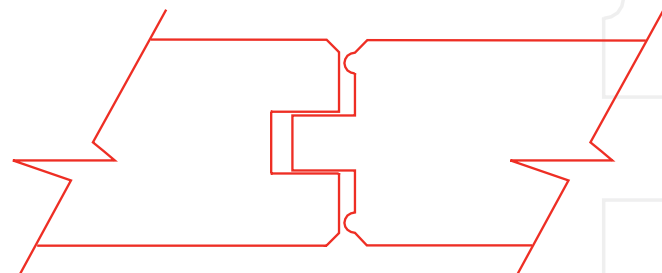
60MM STAINLESS STEEL FG SCREWS
 ► DECKING ► CLADDING ► PORCH FLOORING
 ► ALL SPECIES

Installation Features



JEM Joints

Install decking, cladding and porch flooring without being held hostage by joist requirements. Thermory's JEM Joints don't have to rest on joists, so they reduce waste, labor costs and installation time.



Expansion Beads

Our porch flooring is designed with innovative expansion beads, giving floors the flexibility required to prevent buckling and warping as the environment changes. Install with confidence.

Installation Systems PaCS[®]



Just Press and Click!

Press and Click Strips, or PaCS, let you easily and quickly install cladding without damaging drill bits or wasting product. Pre-grooved boards allow for automatic alignment without any visible screws, and 350lbs of resistance per clip offers the flawless, durable result you've been dreaming of.

- ▶ Depth - .75
- ▶ Width - 1.94
- ▶ Length - 90
- ▶ Clips come pre-attached for even easier installation.



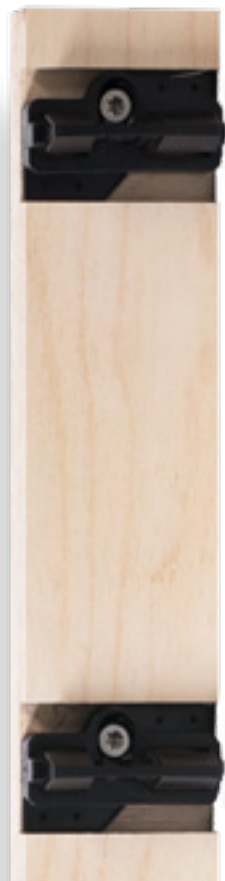
Installation **Systems PaCS**

1

THE BOARD

Each PaCS board comes with pre-grooved PaCS Tracks.

Boards are thermally modified for decades of rot resistance and stability, and each PaCS Track aligns perfectly with the strips.



2

THE STRIP

Designed to fit each PaCS board perfectly.

PaCS Clips come pre-attached to marine-grade plywood furring strips. Install these as you would any other furring strip.

3

THE CLICK

Just press, click, and you're done!

Press each board onto the furring strips. PaCS Clips and PaCS Tracks align flawlessly, every time.





Furring Strips

Protecting homes from trapped moisture is critical.

Quarrix furring strips allow moisture and air to pass freely behind siding, creating a natural rain screen system. Unlike similar wood products, Quarrix furring strips don't warp or split, and bugs hate 'em. Thermory is proud to recommend Quarrix furring strips for many of our cladding installations.

- ▶ PREVENT TRAPPED MOISTURE
- ▶ EXTEND THE LIFE OF YOUR CLADDING
- ▶ ELIMINATE THE NEED FOR ADDITIONAL BUG SCREEN

A better solution to wood furring.

Whether you choose the sophistication of Thermory Benchmark cladding, or break the mold with the Rebel Series, your cladding projects deserve a strong, ventilated drainage plane to protect against moisture-related problems.

Thermory recommends Quarrix furring strips for all cladding projects. **Why?**

- ▶ RESISTANT TO WARPING, SPLITTING, MOLD AND MILDEW
- ▶ VERTICAL AND HORIZONTAL AIR VENTS FOR FREE AIR FLOW
- ▶ NATURAL RAIN SCREEN SYSTEM
- ▶ DIMENSIONALLY DIE CUT FOR EXCEPTIONAL CONSISTENCY
- ▶ CRUSH RESISTANT
- ▶ SUPERIOR DRAINAGE
- ▶ MADE IN THE USA



Maintenance

Maintaining your Thermory project is as simple as you want it to be!

Each Thermory board is durable and stable without needing intervention from oils, stains or other protective products. Left alone, it will simply age to grey and stay rot-resistant and warp-free for decades. However, if you prefer the original color of the wood, a regular maintenance routine can keep it shiny and new!

- 1 OIL. OR NOT.**
Oiling with Cutek Extreme mixed with a UV protectant Colourtone as-needed (approximately every 12mos. depending on climate) to retain the original color.
- 2 POWERWASH. IF NEEDED.**
Power-washing with Cutek Proclean will rejuvenate the original color of the boards. Be sure to follow the instructions carefully.
- 3 SWEEP. JUST SWEEP.**
Were you expecting a more complicated 3rd option? For decking and porch flooring, just keep it reasonably clean, and allow it to age.



Cutek Extreme is a unique protection oil to keep Thermory protected for many years.

It minimizes warping, cupping and splitting to keep your project in top shape with minimal maintenance. Cutek Extreme is simple to apply and easy to maintain, and is especially well-suited for thermally modified woods, which is why it's the protection oil Thermory recommends for our own products!

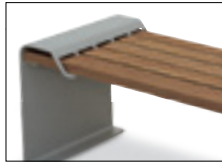
Pre-oiling is available! We can apply Cutek to Thermory in a climate-controlled facility, delivering our product factory-coated on all six sides for the best possible protection and consistency of application.



[Buy Now >](#)



Add Colourtone for UV protection and color tinting.



Anova Furnishings

Anova is a leading furnishings provider that creates first and lasting impressions using sustainable materials.

They are committed to creating high-design, fine-quality products that achieve sustainability goals and LEED certification, which is why they choose Thermory ash materials for a number of their products.



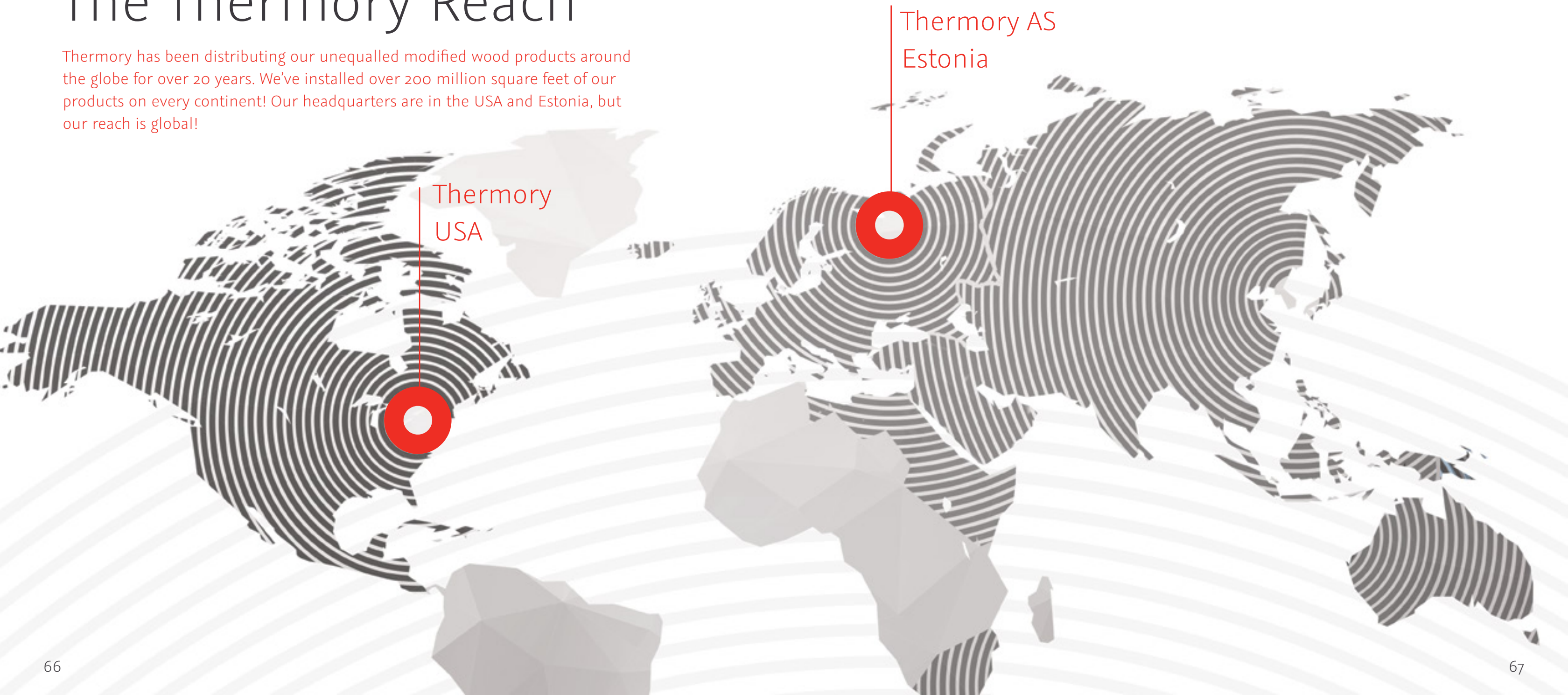
HDG Building Materials

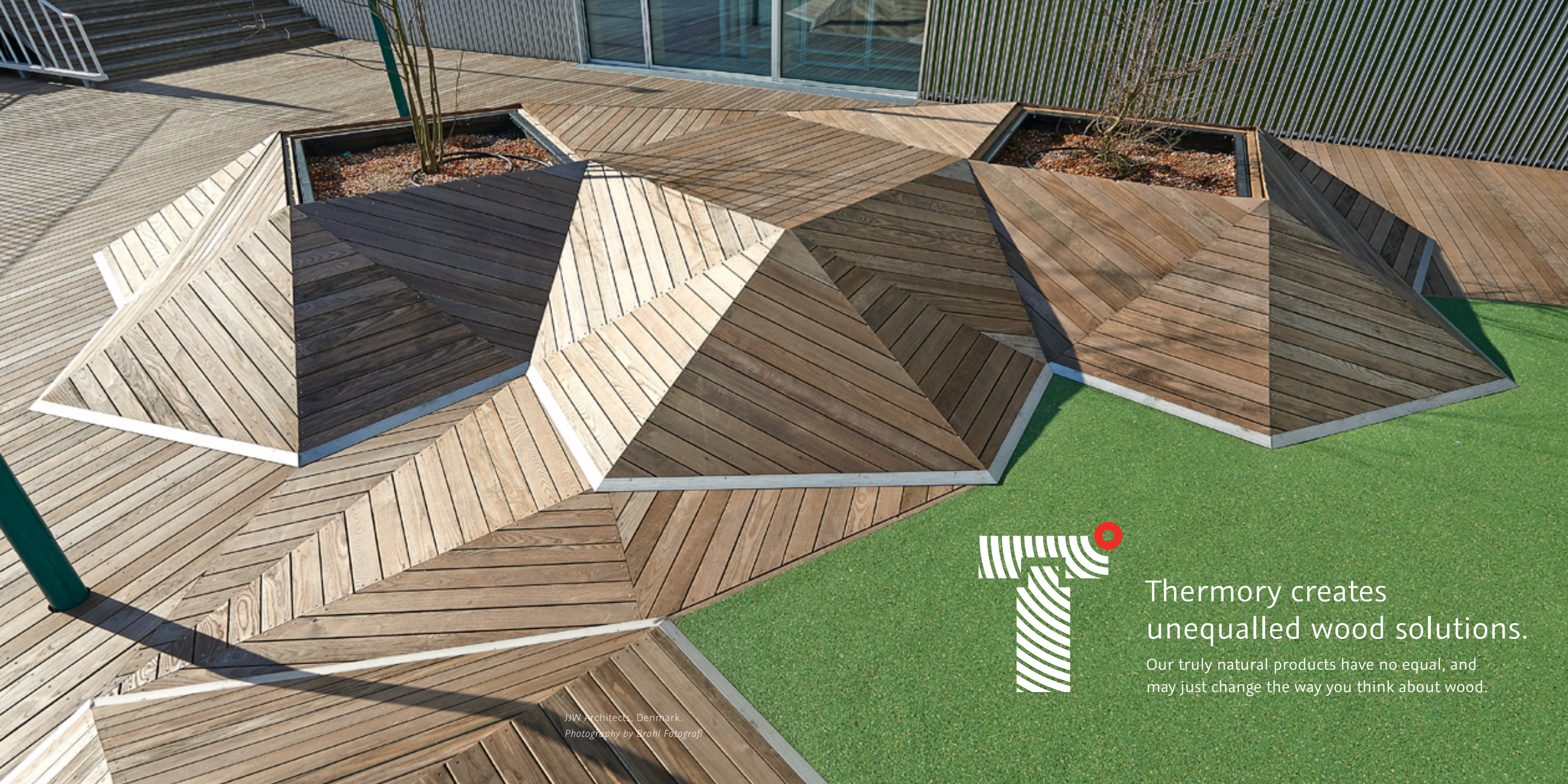
HDG Building Materials is a single-source provider for Thermory deck tiles. When it comes to wooden deck pavers, HDG trusts the quality and longevity of Thermory ash.



The Thermory Reach

Thermory has been distributing our unequalled modified wood products around the globe for over 20 years. We've installed over 200 million square feet of our products on every continent! Our headquarters are in the USA and Estonia, but our reach is global!





Thermory creates
unequalled wood solutions.

Our truly natural products have no equal, and
may just change the way you think about wood.

JJW Architects, Denmark.
Photography by Brahl Fotografi



▶ DECKING ▶ CLADDING ▶ PORCH FLOORING

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