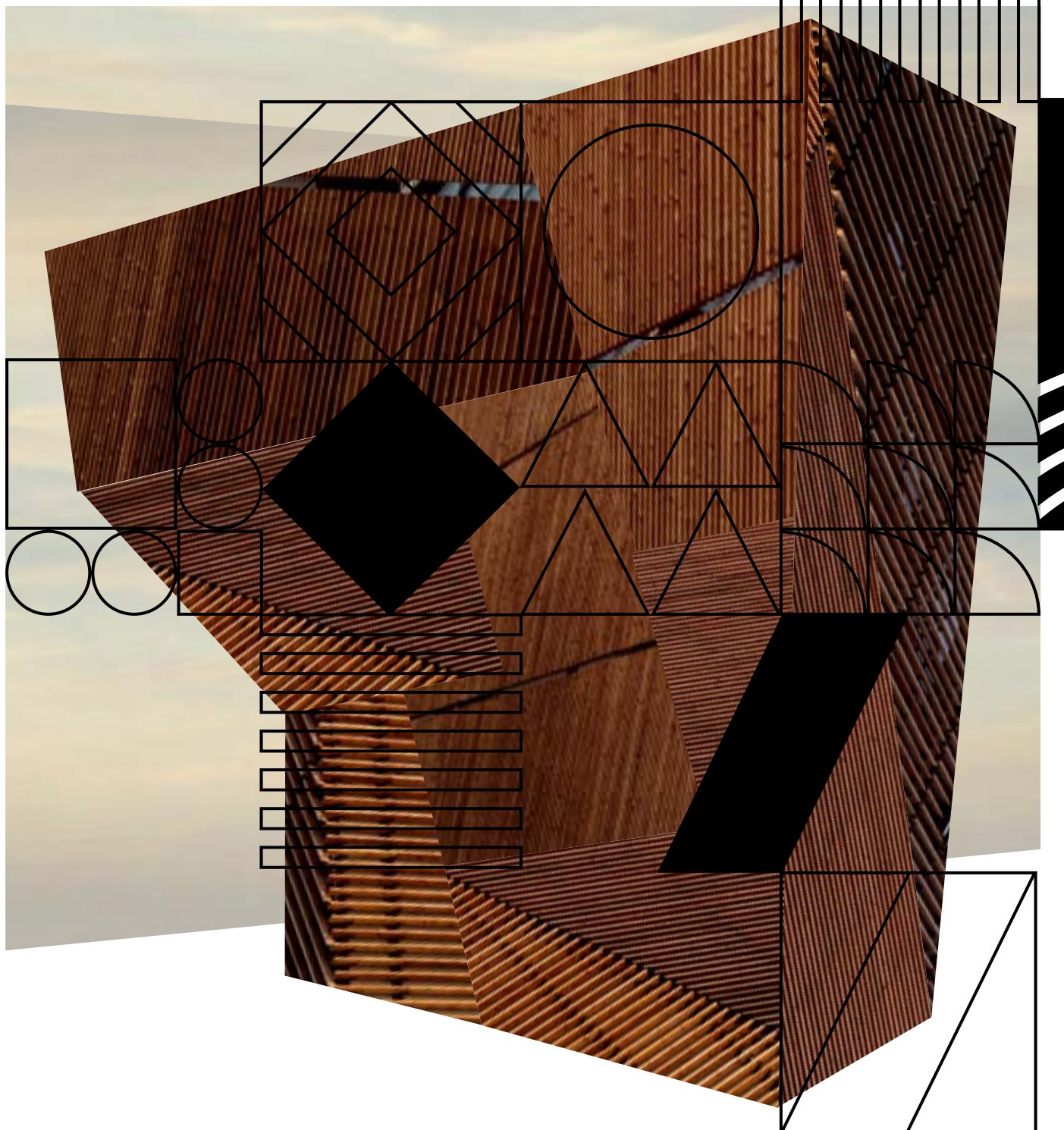
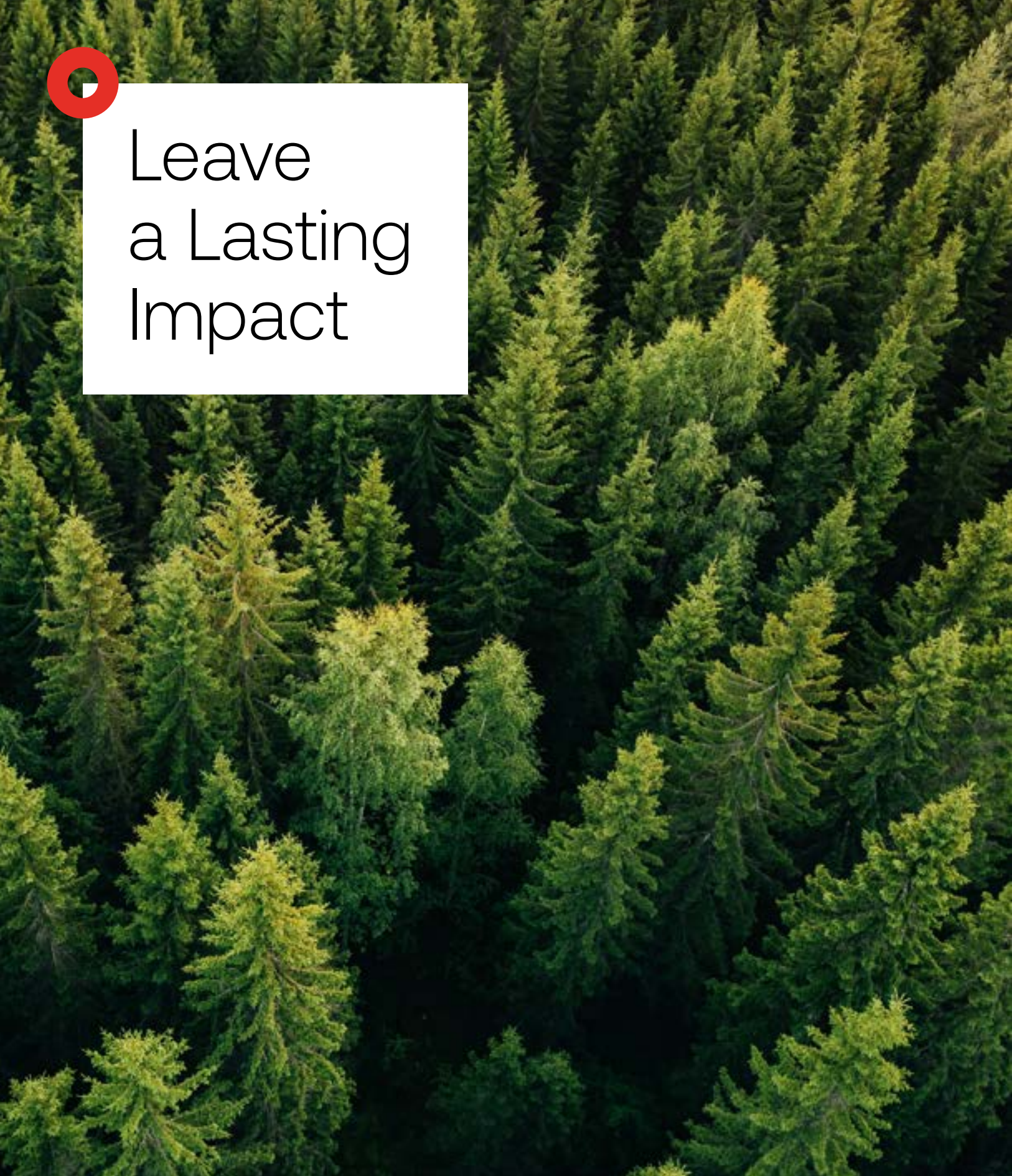


THERMORY® IN ARCHITECTURE





Leave a Lasting Impact

We are
THERMORY®

Real wood products
with beauty and stability
in every fiber

As a renewable resource that is both durable and an excellent insulator, wood is one of the most environmentally friendly choices for your construction projects.

At **Thermory®**, we are dedicated to offering solutions that exceed expectations and last for generations. We contribute to the sustainable management of forests and we are constantly striving to reduce our ecological footprint as a manufacturer. If you think it's important to protect our valuable resources long into the future, then we're on the same mission. We create lasting value, because we want to leave behind a more harmonious and sustainable world.

Thermory® promotes a transparent and responsible corporate culture. We care about the environment and treat nature with deep respect. Our purchasing process is environmentally responsible,

and we exercise high standards for quality and sustainability. Our timber is carefully inspected and harvested from sustainably managed forests, never from endangered, tropical or rainforest woodland. If desired, we can offer PEFC, FSC or Nordic Swan Ecolabel-certified wood.

Thermory® is a world leader in the thermal modification of wood and we offer high-quality, long-lasting solutions that benefit from environmentally friendly technology. We have spent the past two decades developing our expertise through close collaboration with architects, designers, builders and homeowners – constantly revising our product selection and refining our technology in the process. We are proud and grateful to have such a dedicated community of like-minded partners to join us on our journey to a more sustainable future.

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Thermory's
Expertise Is
in the Process
and Technology
of Thermally
Modified
Wood.

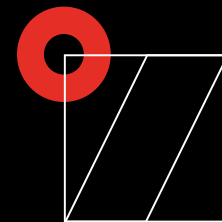
THERMORY®

Discover Thermory
around the world

Using only heat and steam, we create extremely durable and climate-resistant decking, cladding, flooring, wall paneling and sauna products that are unrivaled in both performance and sustainability compared with the usual alternatives such as plastic composites, chemically treated woods and tropical hardwoods.

Thermory wood can be found in more than 50 countries around the world; in homes and public spaces, in a variety of buildings and environments, in high humidity and extreme heat, in cold and in warmth. Our broad selection of products meets the needs of hundreds of diverse tastes and styles.

→ thermory.com



Stunning real wood cladding with decades of rot resistance



Thermory real wood cladding creates a stunning, natural aesthetic that enhances any design.

From the sophistication of our Benchmark Series to the rustic, bold looks of our Rebel Series, Thermory cladding is designed to achieve the look you want with the functionality you need. Innovative design features ensure tight seams for a sophisticated sightline with minimal installation time. Left untreated, Thermory cladding will slowly age to a natural platinum gray, adding a simple, timeless elegance to any project.

CLADDING



World's Largest Disney Flagship Store

SHANGHAI | CHINA

Design

Gensler Architects

Product Information

Benchmark by Thermory

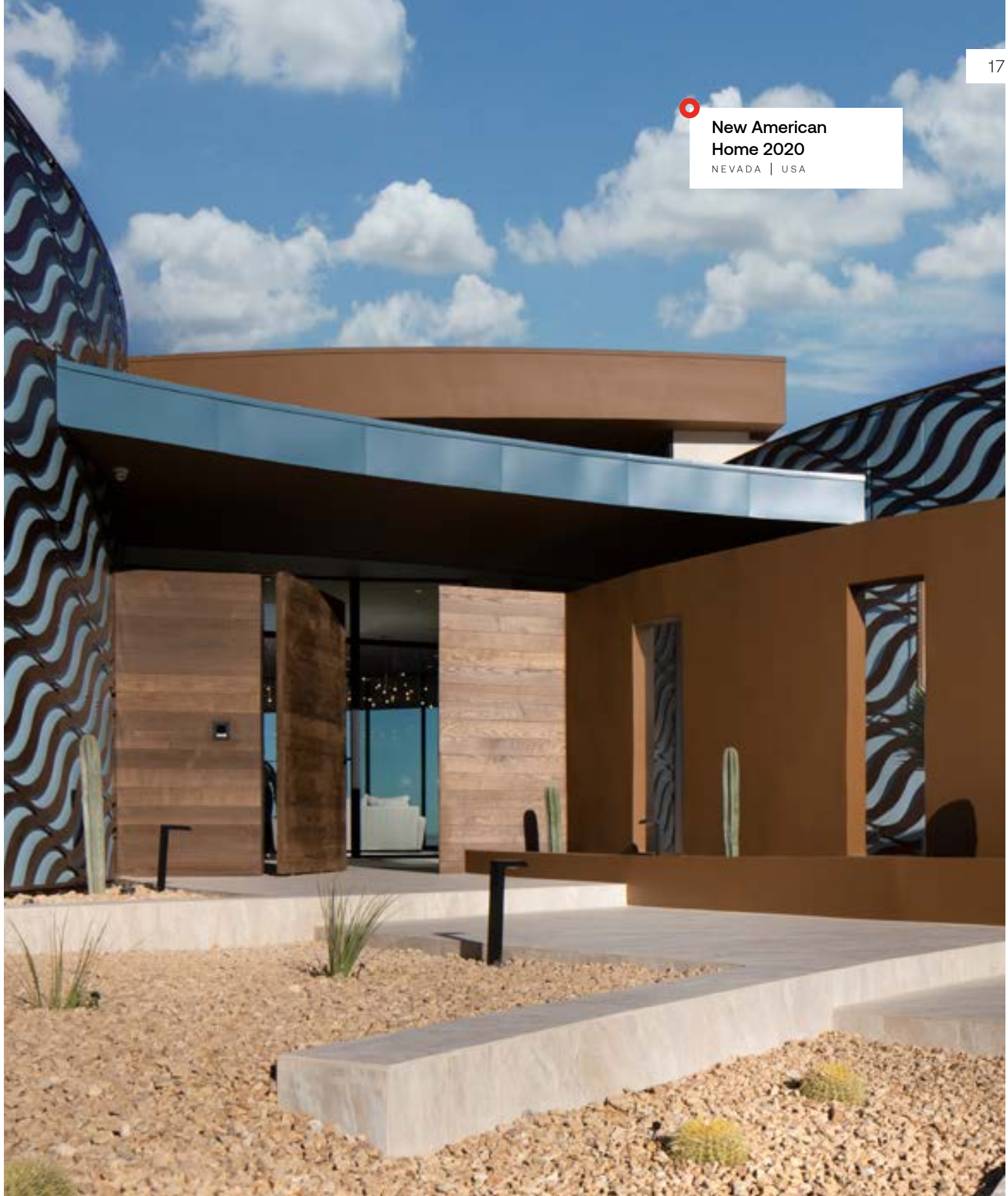
Thermo-ash cladding. Profile C7J 20 x 150 mm.

Hidden installation with PaCS Clad (powered by Grad).





New American
Home 2020
NEVADA | USA





Poolhouse

BELGIUM

Product Information

Benchmark by Thermory
Thermo-ash cladding. Hidden
installation with PaCS Clad
(powered by Grad).

**Distribution
& Photography**

Carpentier Hardwood
Solutions NV





Restaurant NOA

TALLINN | ESTONIA

Design

KAMP Architects

Photography

Elvo Jakobson

Product Information

Benchmark by Thermory

Thermo-ash cladding.

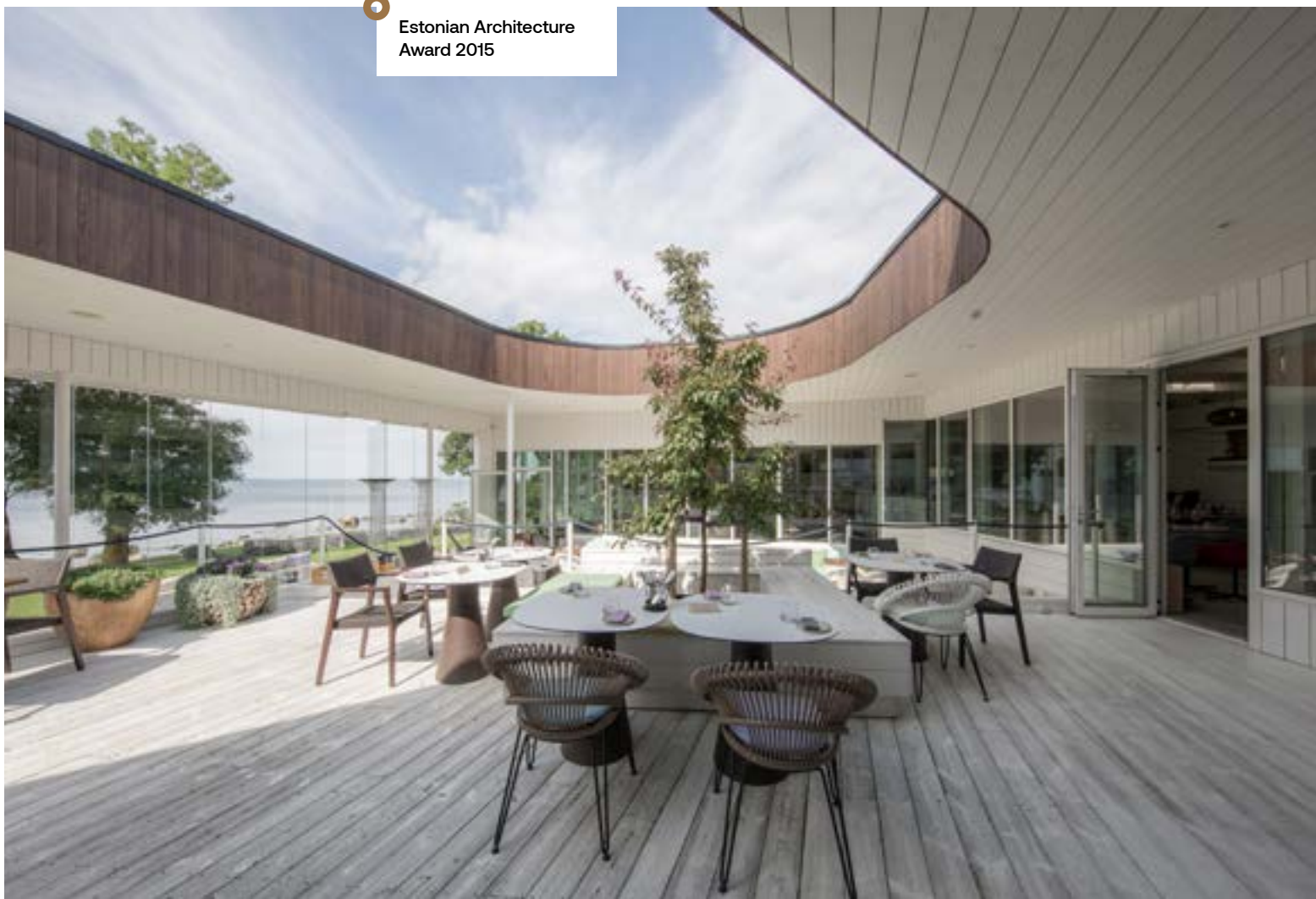
Profile C5 (brushed) 20 x 72/140/190 mm.





Restaurant NOA
TALLINN | ESTONIA

Estonian Architecture
Award 2015



Private House

SEAL BEACH
CALIFORNIA
USA

Design
DIG:A

Product Information
Benchmark by Thermory
Thermo-ash cladding.
Hidden installation with PaCS
Clad (powered by Grad).





Showroom De Keuken- architecten

DENDERLEEUEW
BELGIUM

Design

De Keukenarchitecten

Distribution & Photography

Carpentier Hardwood
Solutions NV

Product Information

Benchmark by Thermory
Thermo-ash cladding.





Private House

TORONTO
CANADA

Design

Tampold Architects

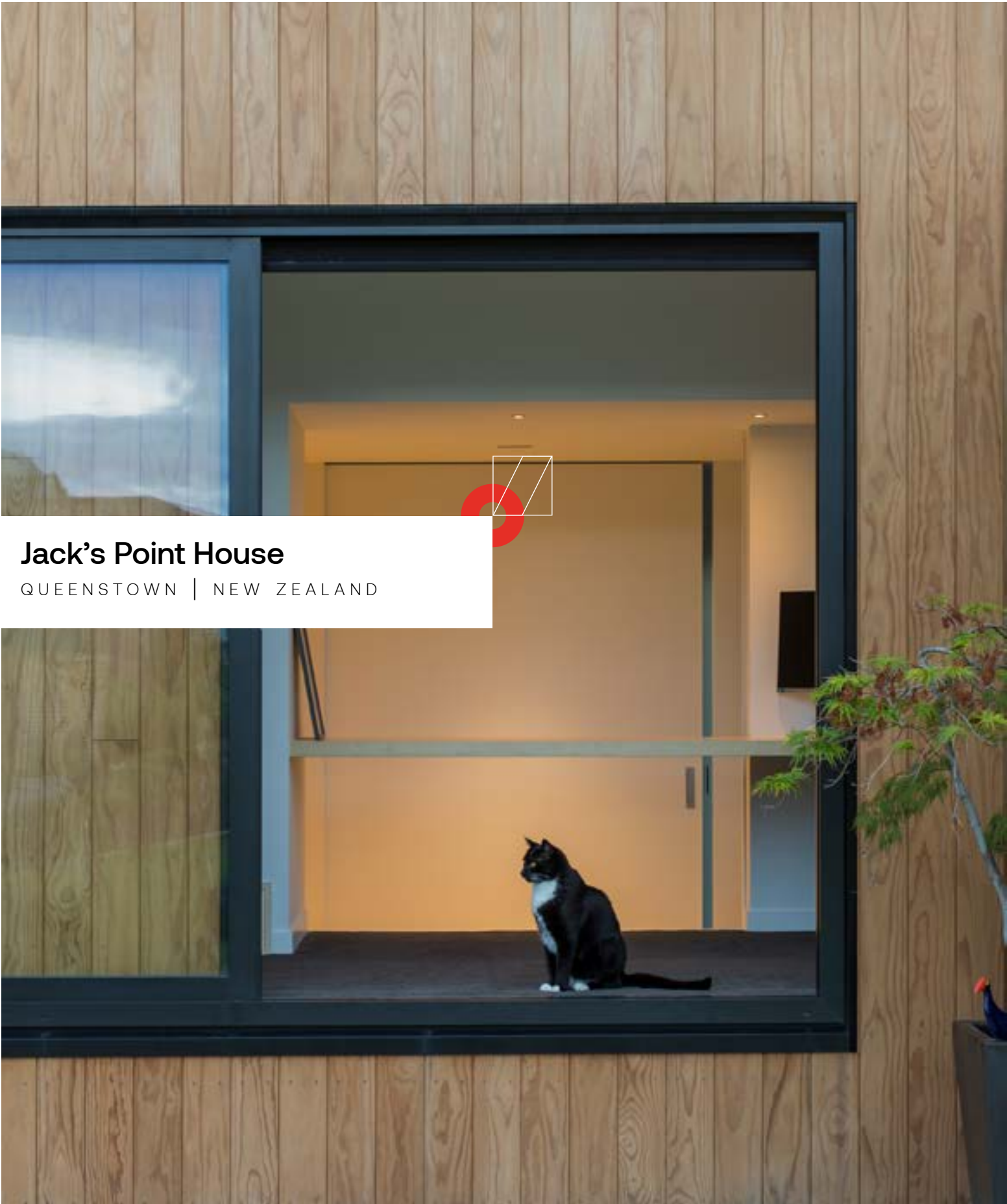
Photography

Larry Arnal

Product Information

Benchmark by Thermory
Thermo-ash cladding.





Jack's Point House

QUEENSTOWN | NEW ZEALAND

Design

Ben Hudson
Architects

Photography

Sarah Rowlands
Photography

Product Information

Benchmark by Thermory
Thermo-radiata pine cladding.
Profile C3.



Natural materials
that complement
the local wildlife.

This family house was designed to blend in with the surrounding landscape. From an architectural perspective, it can be better described as comfortable than grandiose, and it doesn't look out of place among the traditional farm buildings that are common in the area. The building provides a natural complement to its backdrop of a dramatic mountain range, creating a harmonious accompaniment rather than a sharp contrast. In this symphony, nature plays the lead.

The house's architect, Ben Hudson, emphasizes the efficient use of space in the design. Hudson lives in the building and also uses it as a studio, which is why the house is divided into two pavilions – a sleeping quarter and a living area for everyday activities and work. Meanwhile, the garden is designed to go hand in hand with nature; the plants are native to the area and provide a habitat for insects and birds.



Jack's Point House
QUEENSTOWN | NEW ZEALAND





The use of natural materials played an important role in the planning of the house, which had to fit naturally within the wild mountainous landscape where it is located. Hudson chose wood for the exterior façade, which provides a relaxed look and emphasizes the surrounding nature as the main attraction.

The layout of the living quarters is adapted to follow the movement of the sunlight – the morning sun shines in on the kitchen area, making it perfect for coffee at sunrise, while the work rooms are illuminated by the midday light and sunset provides the perfect lighting conditions for relaxing and socializing in the lounge. The predominantly white surfaces inside accentuate the play of light and shade, contrasting with the dark cedar walls.

Thermory's naturally enhanced cladding boards were chosen for their durability and aesthetic appearance, with the added advantage that they are made with wood from sustainably managed forests that is processed without

chemicals, supporting the architect's desire to use nature-friendly materials. The outer cladding is made from Thermory Benchmark Intense Radiata Pine that is knot free and lightly stained to further enhance the wood's natural character. Intense thermal modification makes our wood products ideal for use in outdoor settings. Thermally treated radiata pine is easier to maintain and has a significantly longer lifespan than conventional wood. It is also dimensionally stable due to its low moisture level, which makes it ideal for this project. The surrounding mountainous landscape is truly wild, with extremes of weather from hot summers to icy winter conditions.

Ben Hudson is certain that the thermally modified wood from Thermory will last for years and age with dignity.





Powerhouse Telemark

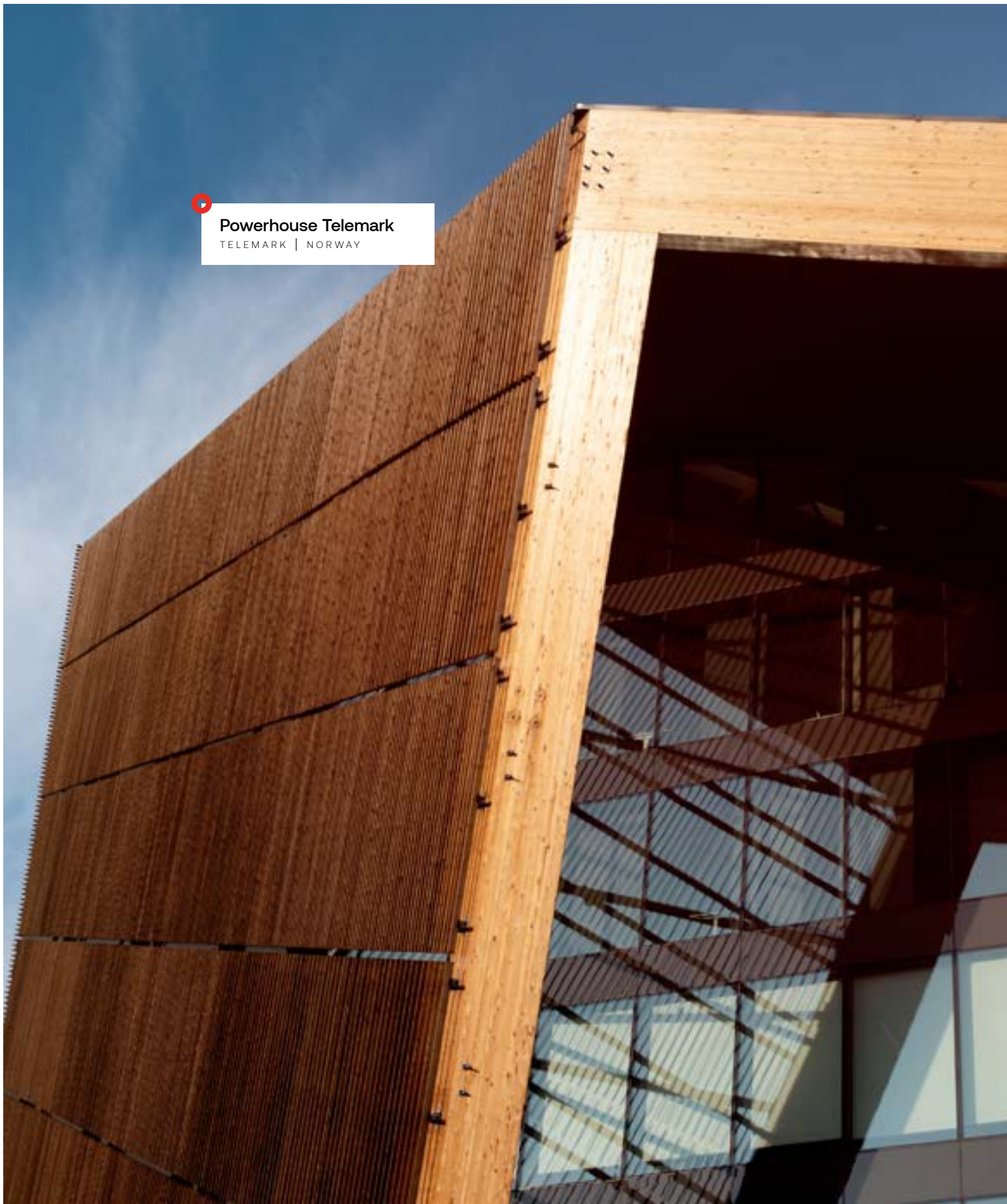
TELEMARK | NORWAY

Design
Snøhetta Architects

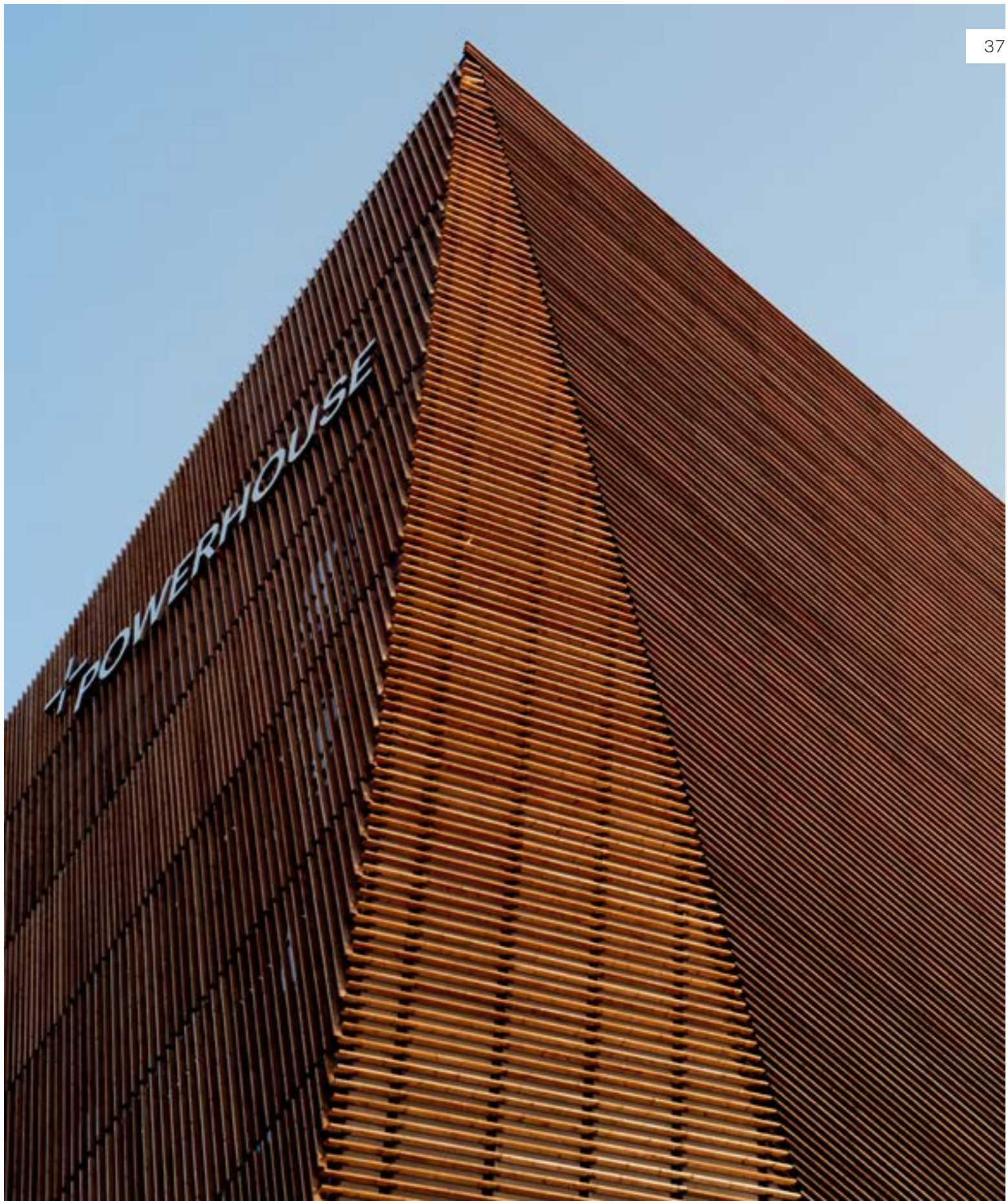
Product Information
Benchmark by Thermory
Thermo-pine cladding

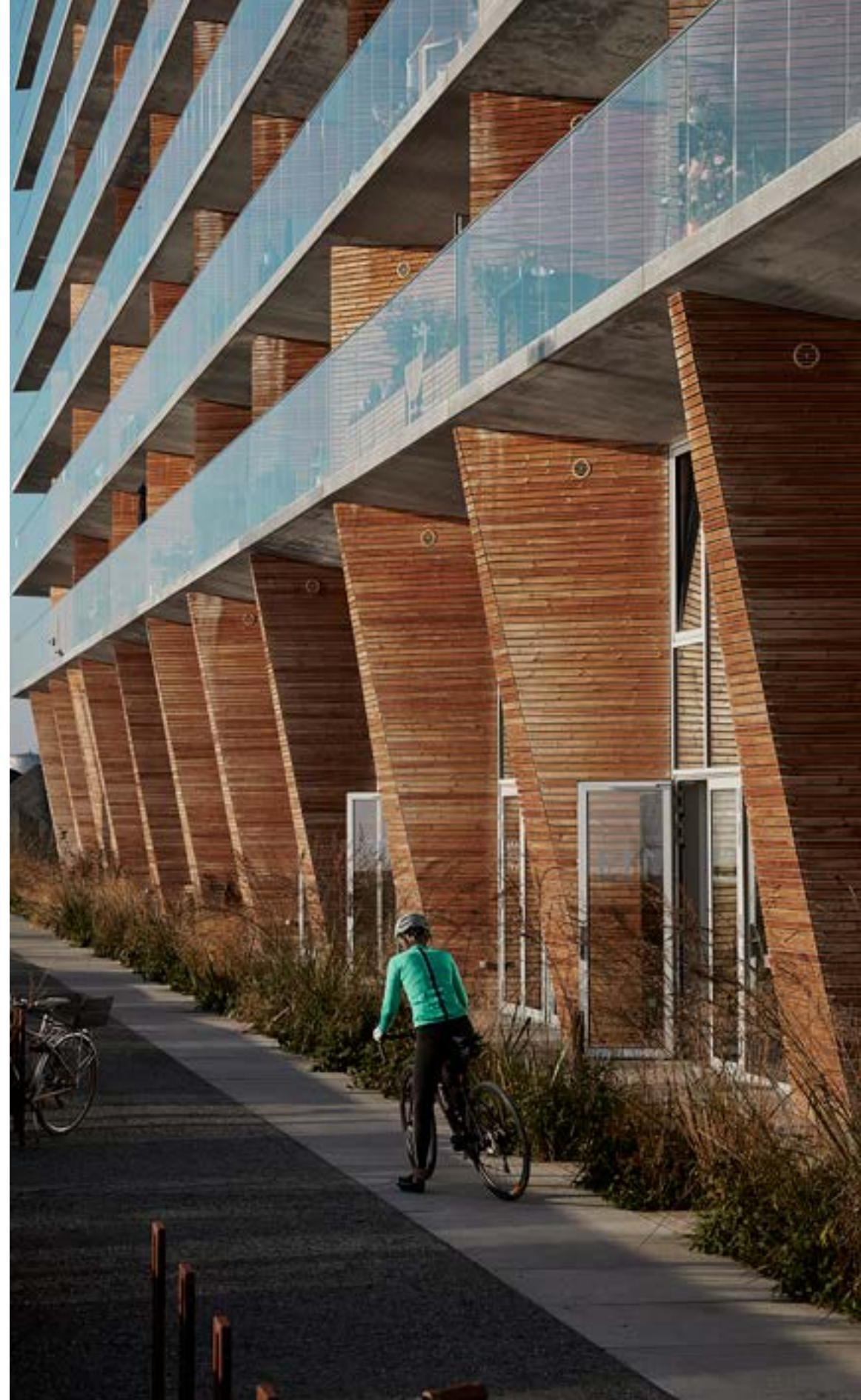
Photography
Jeanett Teigen, BLAAtime





 **Powerhouse Telemark**
TELEMARK | NORWAY





Aarhus Residential Development

AARHUS
DENMARK

Design

Bjarke Ingels Group
(BIG)

Product Information

Benchmark
by Thermory
Thermo-pine
cladding

Photography

Kåre Viemose





Felleskjøpet Headquarters

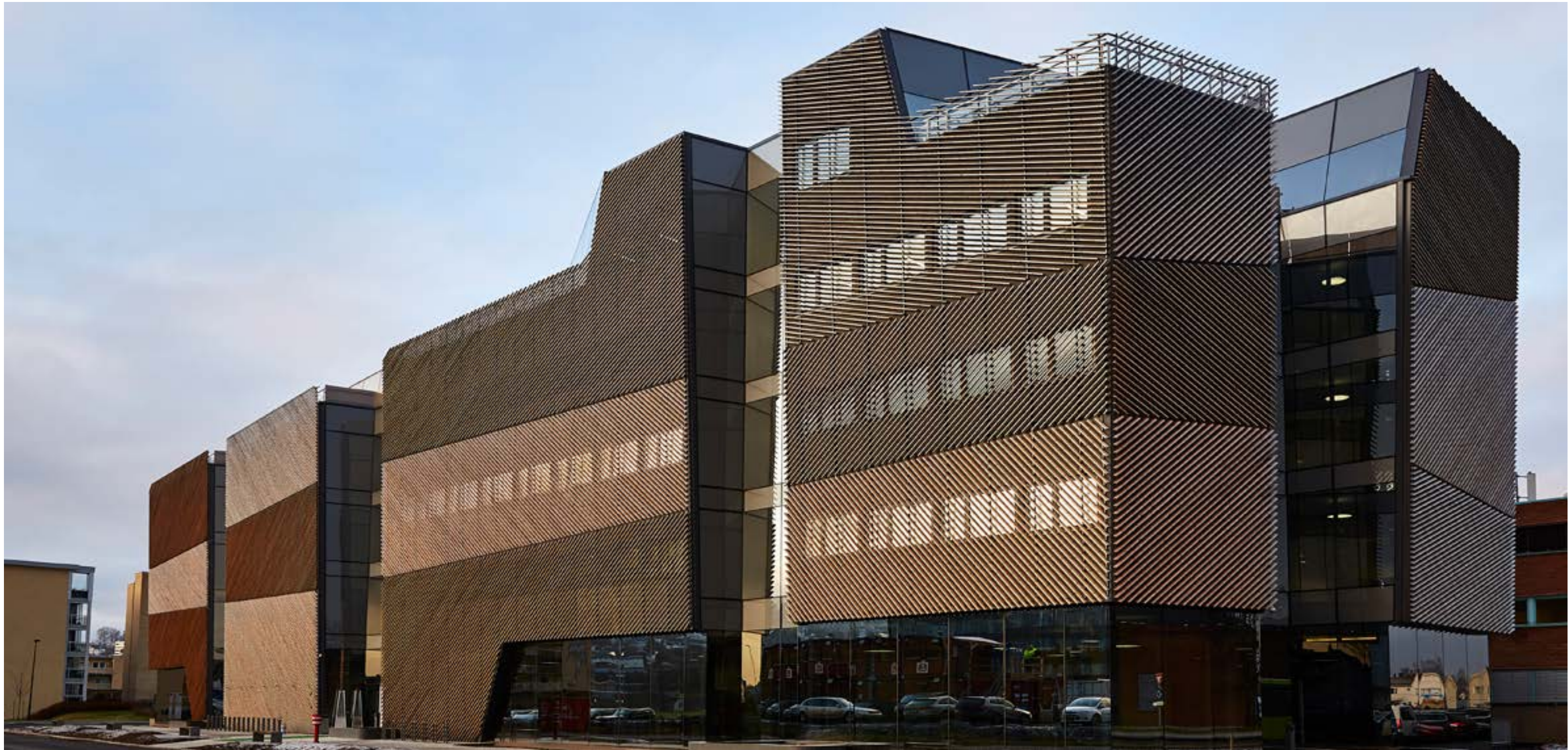
LILLESTRØM | NORWAY

Design
Snøhetta Architects

**Distribution
& Photography**
Moelven



Product Information
Benchmark by Thermory
Thermo-pine cladding.
Profile C5 20 x 140 mm.





Swimming Hall

NORWAY

Product Information
Benchmark by Thermory
Thermo-pine cladding

**Distribution
& Photography**
Moelven





Apartments in Wolf Clearing

KARPACZ | POLAND



Design
studio de.materia

Distribution
Komplex Market

Photography
ONI studio

Product Information
Benchmark by Thermory
Thermo-pine cladding and roofing



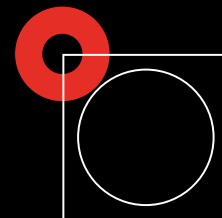


Climate House

TARAMEA
NEW ZEALAND

Product Information
Benchmark by Thermory
Thermo-pine cladding.
Profile C8 26 x 140 mm.





Coated cladding with exceptional quality

Thermory's painted cladding selection is a high-quality solution that makes any building stand out from the crowd. Our spruce and pine cladding products undergo an intense thermal modification process that uses only heat and steam to give exceptional stability and durability.

For a long-lasting finish, the thermally modified wood is then coated with water-based paints that are environmentally friendly and have been tested in harsh climates.

PAINTED CLADDING

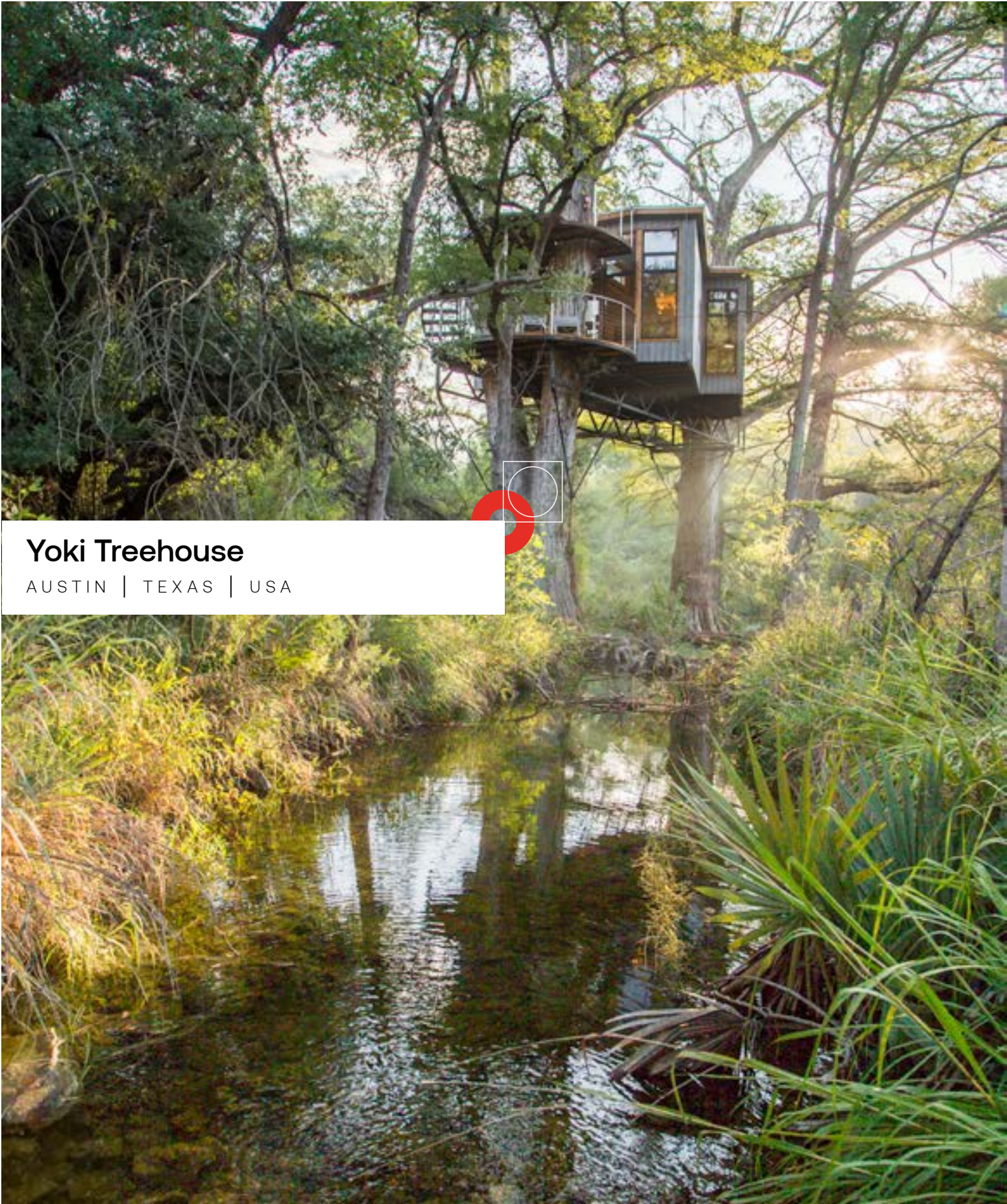


New
American
Home
USA

Product Information
Ignite by Thermory
Thermo-spruce cladding.
Color Ignite 5

Photography
Jeffrey A. Davis





Yoki Treehouse

AUSTIN | TEXAS | USA

Design
Will Beilharz,
ArtisTree®

Product Information
Drift by Thermory
Thermo-spruce cladding.
Color Platinum

Photography
Smiling Forest Photography

For ArtisTree®, sustainability and functionality are top priorities and when designing and building their Yoki Treehouse, they were seeking to create a sophisticated feel without compromising on their core values.



Sustainability, functionality and a sense of sophistication.

In the Hopi language, yoki means “rain”. ArtisTree®, a green design custom treehouse architecture firm, operates Cypress Valley Canopy Tours outside of Austin. Water was the perfect inspiration for this luxury treehouse eco-retreat.

From the winding creek at the base of the canopy to the healing aspects of the adjacent bathhouse and the majestic trees that rely on water for their life and growth, the Yoki Treehouse is a true ode to nature.

This made Thermory Drift spruce cladding the perfect choice. The wood is modified naturally, using only heat and steam, meaning the designers at ArtisTree® could be confident that their choice offered a low carbon footprint and minimal environmental impact.

The realistically weathered and textured boards arrived ready for installation, saving weeks of work planing and finishing the wood (which ArtisTree® often do themselves in order to adhere to their sustainability goals) while offering a durable, sophisticated aesthetic right out of the box. Because Drift provides the look of reclaimed wood, it was a perfect complement for the stately cypress trees that surround and support the structure.

Yoki Treehouse
AUSTIN | TEXAS | USA



As Thermory only ships usable boards and cuts down on material waste with a number of innovative processes and solutions, there was enough material left over from the original order to sand down and repurpose the cladding boards as a natural trim. Over time, this trim and the Drift cladding will both undergo a unique aging journey until they arrive at a gorgeous, rustic silver finish.



Private House

JURMALA
LATVIA

Photography
Madara Gritane

Product Information
Drift by Thermory
Thermo-spruce cladding.
Color Black Pearl





Private House

NETHERLANDS

Product Information

Vivid by Thermory
Thermo-spruce cladding.
Profile D4 / Channelsiding.
Color Black

Distribution

& Photography
InterFaca





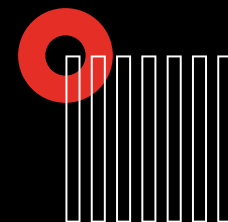
Holiday Houses

LAUWERSOOG
NETHERLANDS

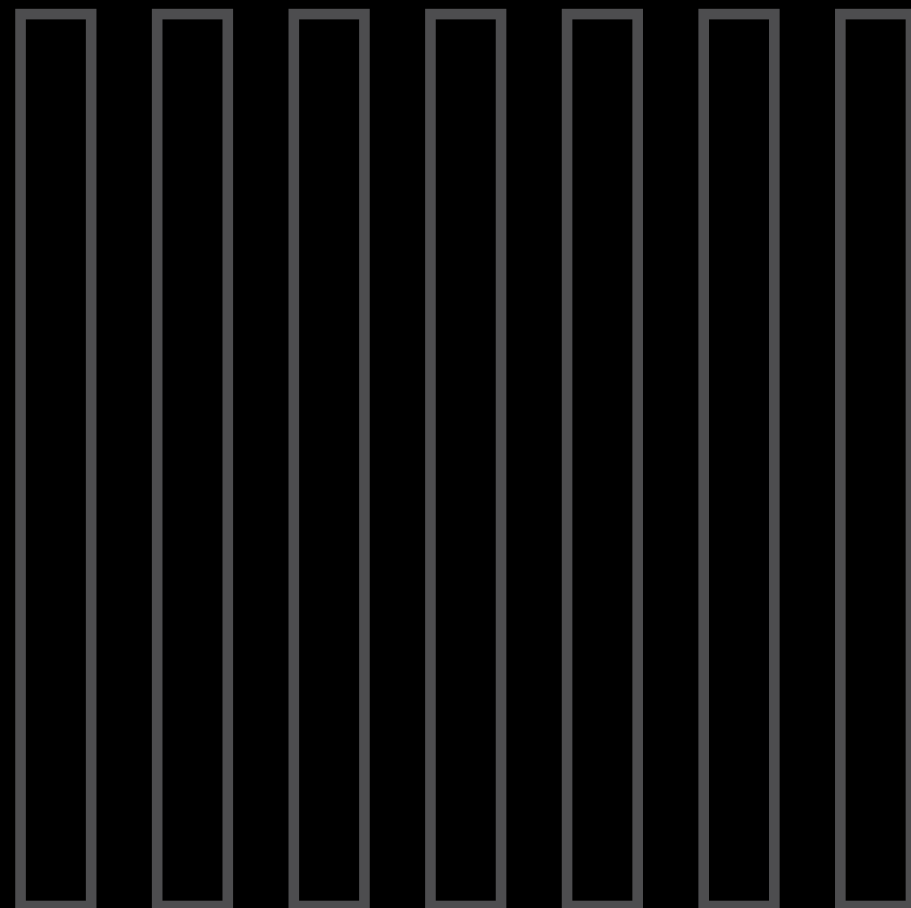
Distrubution
& Photography
InterFaca

Product Information
Vivid by Thermory
Thermo-spruce cladding.
Profile D4. Color Vivid Opaque.





**Durable real wood
decking with beauty
and longevity in
every fiber**



Thermory decking represents the union of expert science and modern design. Each board is carefully modified with heat and steam, then meticulously milled to create stunningly consistent, straight, reliable boards. Unoiled, Thermory decking will gradually mature to a beautiful, rustic silver patina. Thermory decking combines the high function your project requires with the natural artistic beauty you desire.

DECKING



The Waterfront

STAVANGER | NORWAY

Design
AART architects

Developer
Kruse Smith

Photography
Adam Mørk

Distribution
Moelven

Product Information
Thermo-pine decking.
Profile D4 sg 26 x 140 mm.





ZEB Pilot House

LARVIK | NORWAY

Design
Snøhetta
Architects

Photography
Paal-André
Schwital, Metro
Branding

**Product
Information**
Benchmark
by Thermory
Thermo-ash
decking, Profile
D22 26 x 130 mm.

Distribution
Moelven



WAN Sustainable
Building Award 2015





Lawrence
Manor

TORONTO
CANADA

Design
Tampold Architects

Photography
Larry Arnal

Product
Information
Benchmark
by Thermory
Thermo-ash decking,
cladding and fencing





Avocado Acres House

ENCINITAS
CALIFORNIA
USA

Design
Lloyd Russell

Photography
Darren Bradley

Product Information
Benchmark by Thermory
Thermo-ash decking





Jels Søbad Bathing Bridge

DENMARK

Design
SKALA Arkitekter

Photography
Brahm Fotografi

Distribution
Moelven

Product Information
Benchmark by Thermory
Thermo-ash unoiled and weathered decking





Martis Camp

TRUCKEE | CALIFORNIA
USA

Design

Mark Tanner
Construction

Photography

Vance Fox

Product Information

Benchmark by Thermory
Thermo-ash decking





Mandalay Gardens

IRVING | TEXAS | USA



Design

Santosh George, Complete
Landscape

Product Information

Benchmark by Thermory
Thermo-ash unoled
& weathered decking



Sustainable natural
decking offering durability
and a stunning aesthetic.

The rooftop Gardens by the Mandalay
was designed to be a serene outdoor
retreat, away from the hustle and bustle
of the commercial spaces that surround
it. This outdoor sanctuary had become
dated over the past few decades and it
needed to be completely revamped in

order to provide the desired experience,
which includes gardens with stunning
landscaping, sitting areas, unique
fountains, koi ponds, fire pits and
extensive winding walkways that offer
peaceful, beautiful walks for wandering
visitors.



The impressive sky-high project required sustainable materials and high levels of environmental responsibility. In choosing a material for the long walkway, durability was a significant concern, as it was designed to be placed just four inches above the concrete surface.

Our Benchmark Intense Ash products come with a 25+ year rot-resistance rating.

Our Benchmark thermally modified ash decking was chosen for the 23,000+ feet of meandering walkways because of its stunning beauty, high levels of durability and our commitment to environmental responsibility. Thermory Benchmark products provided LEED points toward certification through our reduced thermal conductivity rating and Class 1 Durability rating. The wood's high Solar Reflectivity rating means that the decks stay cool even in the blazing Texas sun, and our smooth milling ensures that they are totally splinter free, providing a perfect outdoor oasis.

Thermory products are both low maintenance and beautiful, providing a naturally stunning aesthetic that complements the gorgeous surrounding features of the gardens. The rooftop gardens showcase many wonderful elements and appealing features – not only does this walkway provide access to all of them, but thanks to its beautiful design and the materials used, it is now part of the attraction in its own right!





South Harbour School

COPENHAGEN | DENMARK

Design
JJW Architects

Photography
Torben Eskerod
& Brahl Fotografi

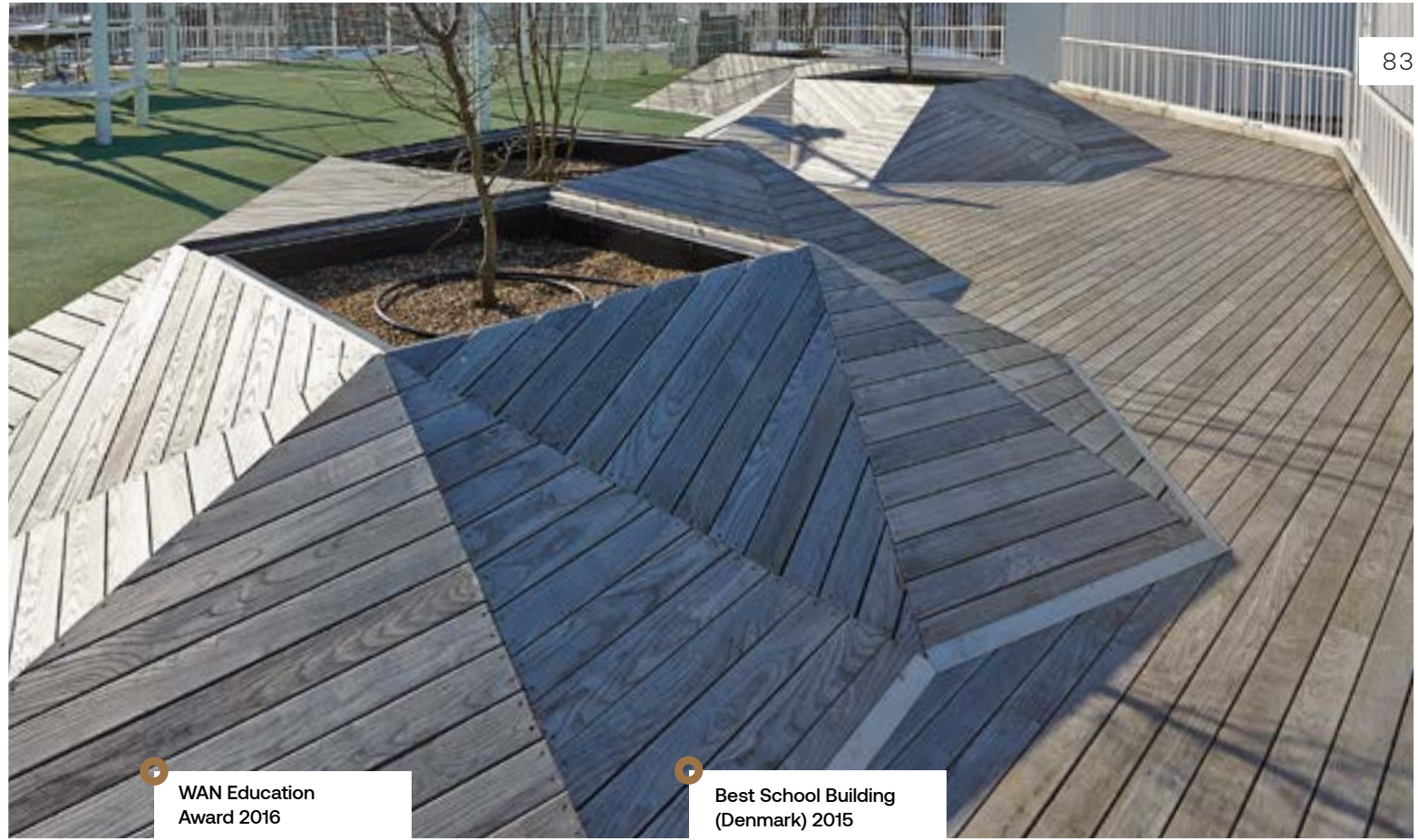
Distribution
Moelven

Product Information
Benchmark by Thermory
Thermo-ash decking.
Profile D4 26 x 130 mm.



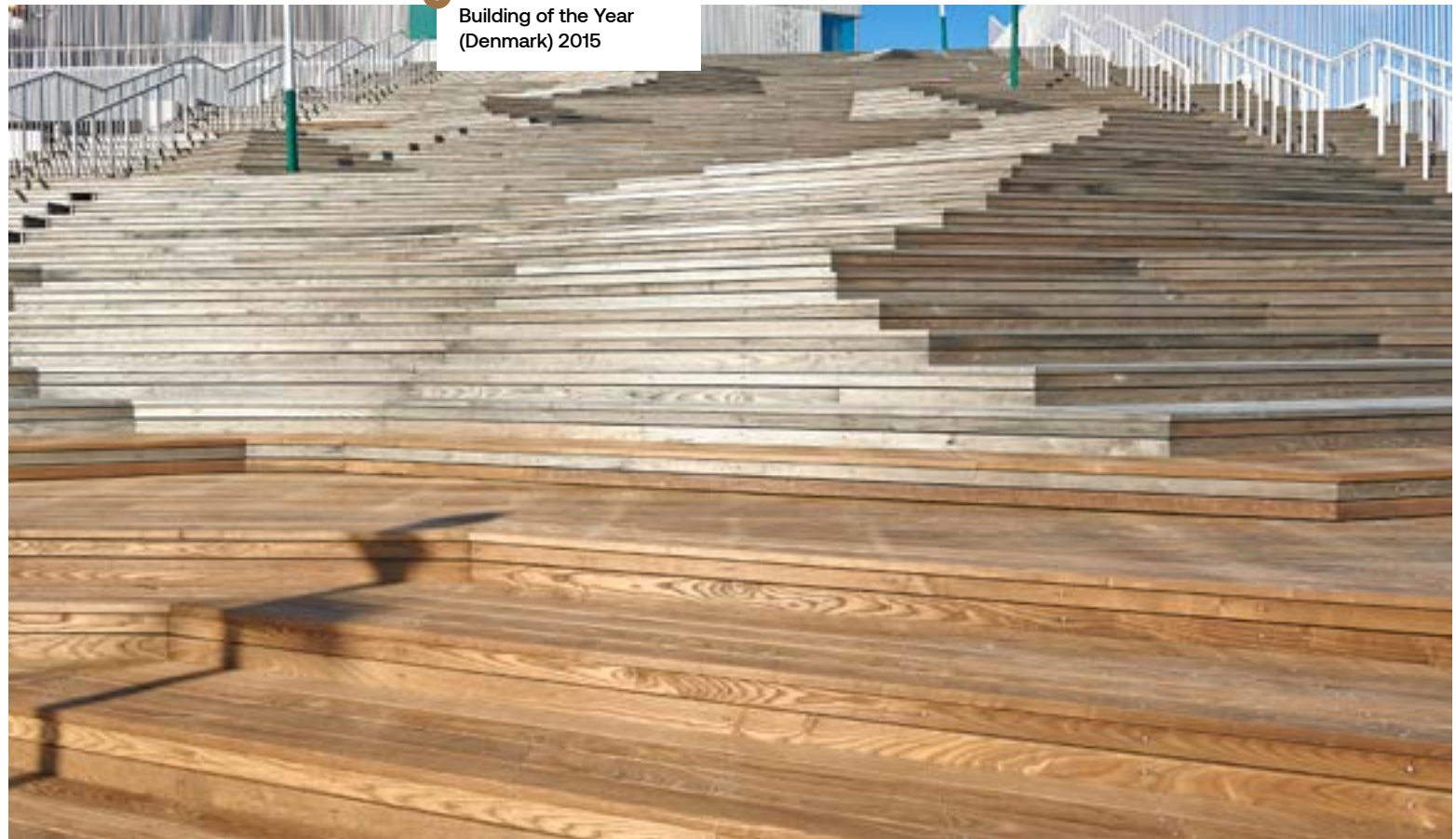


South Harbour School
COPENHAGEN | DENMARK



WAN Education
Award 2016

Best School Building
(Denmark) 2015



Building of the Year
(Denmark) 2015



Private House

TALLINN | ESTONIA

Photography

Allan Leppikson

Product Information

Benchmark by Thermory
Thermo-pine decking (oiled)







Bro Park Hippodrome

UPPLANDS-BRO | SWEDEN

Design

Gustav Appell
Arkitektkontor

Distribution

Moelven

Photography

Devis Bionaz

Product

Information

Benchmark
by Thermory
Thermo-ash
unoiled and
weathered decking



Private House

SWEDEN

Product Information

Benchmark by Thermory
Thermo-ash decking.
Profile D4sg 20 x 112 mm.





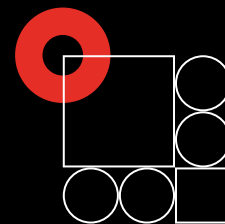
Private House

NORWAY

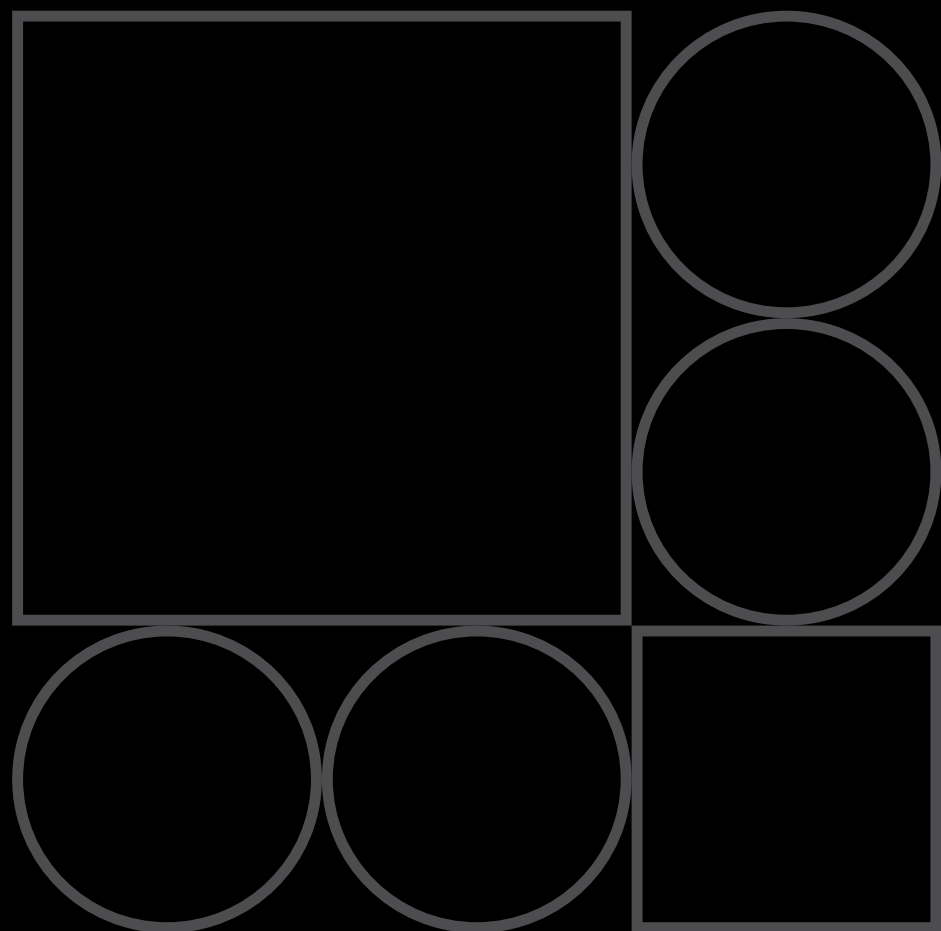
Distribution
& Photography
Moelven

Product Information
Benchmark by Thermory
Thermo-pine unoiled
and weathered decking





Limitless options for a range of styles



From projects that combine the stunning looks of our Benchmark and Rebel Series to the possibility to implement our materials into multiple aspects of design and construction projects, sometimes the best complement to Thermory's classic appeal is...more Thermory! Our versatile boards have been used to create beautiful stairs, fences, railings, dividing walls and more. Whether you're taking advantage of the expansive elegance of Benchmark thermally modified ash or you want to create stunning patterns and unique lines using a single product, Thermory offers you a beautiful, functional launching pad.

MULTI-PRODUCT



Nature Resort

MAIDLA | ESTONIA





Maidla Nature Villa – a pearl amid forests and bogs



The Maidla Nature Resort is a small and unique accommodation complex located on the grounds of Maidla Manor near Rapla, Estonia. The main concept behind the Nature Villa is to offer luxurious accommodation nestled in beautiful natural surroundings, with the villa's proximity to the historic Maidla Manor and its service buildings offering a special experience for those seeking something more interesting than a traditional hotel room.

The location of the Nature Villa allows guests to enjoy peaceful solitude, with natural views that offer plenty of variety. The landscape along the road to the

house is also varied, taking guests past historic manor houses, alongside the stream and through the forest before reaching the villa, which is situated on the very edge of the bog. Although offering many unique possibilities, the bog also made the construction work more complicated – because the load-bearing layer of the soil lies at a depth of six or seven meters, the house had to be built on a pile foundation. In addition, the river that winds its way close to the bog floods the area each spring, so the house is raised to a height of one meter and accessible from a boardwalk to ensure that guests always arrive with dry feet.

Design
Mari Hunt,
b210 Architects

Photography
Elvo Jakobson

Products
Benchmark by Thermory
Thermo-ash wall paneling. Profile C7J.
Thermo-ash cladding. Profile C4J.

Thermo-ash decking. Profile D4.
Thermo-ash flooring. Profile F3.

Before commissioning the building, Ragnar Sass had visited several unique treehouse-type projects around the world and as a starting point, he envisaged a small, luxurious accommodation facility that would fulfill all the traditional functions of a hotel – a space that's hidden among nature but capable of accommodating a lobby, wardrobe, toilet, bed and other necessities.

Nowadays, the trend of building small houses is receiving a lot of attention around the world, as they have a smaller footprint while also being comfortable to live in and easy to manage. The objective at Maidla was for the Nature Villa to be as small as possible. This means that every square inch has a role to play, with each minute detail carefully thought through, from the width of the bed and the amount of space around

it – the room needs to be large enough for a small hotel refrigerator, a suitcase and clothes – to solutions that cleverly conceal the service installations. In other words, this building has been designed with precision from the inside out.

The villa is not only a unique object in its own right, but it also functions as a lookout that offers several viewing platforms, with a breakfast terrace on the lower level and another terrace by the entrance, as well as a rooftop terrace that can be reached via steep steps that require a little more effort to climb.

For the building to be used as desired, it was necessary to choose a natural material that would look good as well as being durable and pleasant to touch. Thus, the house is clad with highly durable thermally modified wooden boards from Thermory, which are perfectly suited for buildings exposed to rain, wind and falling leaves as they preserve their attractive look for a long time.

Thermory Ash boards were selected for this project – architect Mari Hunt liked the wood’s brown shade, which was emphasized by treating the material with oil. In addition to cladding the façade of the building with vertical boards, the same material was also requested for horizontal placement on the terrace, which created a consistent look without giving the feeling that the house has simply been covered with decking. The narrower boards that Hunt used for the façade create a dignified design solution, and using the same boards for the terrace surface gives an impression of careful attention to every last detail, with the same product additionally used on the steps and the small cubes placed upon them.

In addition to the cladding and decking boards used on the exterior, Thermory wood can also be found within the building, covering the floor of the bedroom and all of the ceilings. Using the same material for the ceilings and the façade ties the individual elements of the building together as a comprehensive whole, creating an intriguing interaction between exterior architecture and interior design.





Private House

BÆRUM
NORWAY

Design

LOGG Architects

Photography

Finn Ståle Felberg

Distribution

Moelven

Product Information

Benchmark by Thermory
Thermo-ash cladding
and decking





Private House

BEVERLY HILLS
CALIFORNIA | USA

**Design &
Photography**
DIG:A Architects

Product Information
Benchmark
by Thermory
Thermo-ash cladding
and decking





Design

Contekton
Arkitekter
Fyrstad AB

Distribution

Moelven

Product Information

Benchmark by Thermory
Thermo-ash cladding and shingles.
Even Shingle panels.

Photography

Denis Bionaz



Design
Mangor & Nagel A/S

Product Information
Benchmark by Thermory
Thermo-ash cladding
and decking

Distribution
Moelven

Photography
Brahm Fotografi





The Waterfront

STAVANGER | NORWAY

Design
AART Architects

Developer
Kruse Smith

Photography
Adam Mørk
& Marita Mones

Distribution
Moelven

Product Information
Benchmark by Thermory
Thermo-pine cladding and roofing.
Profiles C3 20 x 115 mm and C10 20 x 140 mm.



WAN
Residential
Award



One of the largest
residential developments
in the world

Best on
Archilovers

Finalist for
Plan Awards

Finalist for
MIPIM Awards

Naturally aged
cladding



Freshly installed
cladding



Office Building

BELGIUM

Design
CAAN Architecten

Photography
Andreas Vanhauwaert

Product Information
Benchmark by Thermory
Thermo-ash wall paneling and flooring

Distribution
Carpentier Hardwood Solutions NV



Design
Tarmo Piirmets (PINK)



Photography
Terje Ugandi

Product Information

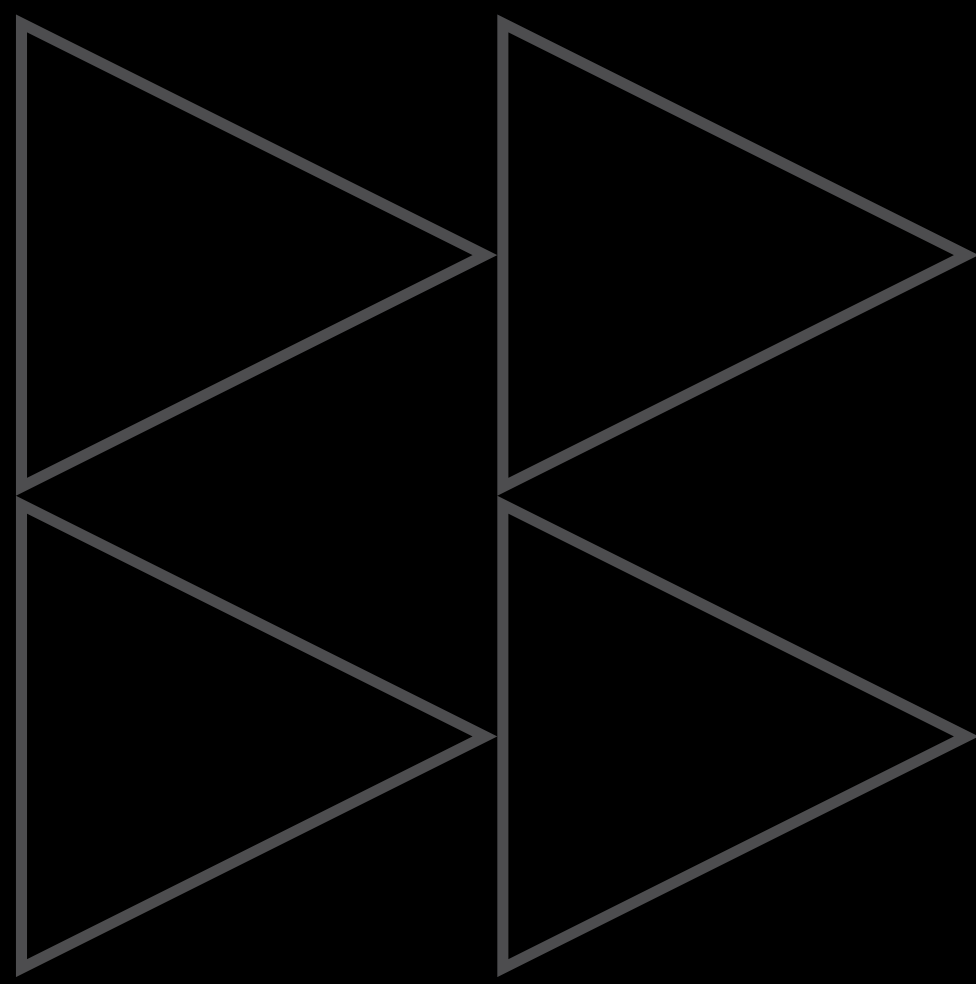
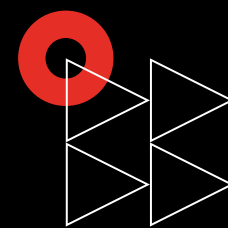
Benchmark by Thermory

Thermo-ash (medium) engineered
flooring. Profile F6 18 x 245 mm.

Thermo-ash (intense) wall paneling.
Profile C5 20 x 140 mm.

 Estonian Architecture
Award 2015





Get creative and feel the freedom of Thermory

Thermory products are wonderfully versatile. Forward-thinking designers and builders have used Thermory wood in many beautiful and creative ways, making magic with our simple yet sophisticated boards. Thermory's natural simplicity offers an ideal canvas for distinctive, imaginative projects that break the mold and allow you to achieve the look you want without sacrificing quality. Be inspired by the innovative ways others have used Thermory and let your imagination run wild! Our boards are guaranteed to rise to the challenge.

CREATIVE APPLICATIONS



A Quiet Place to Sit and Rest

PORTLAND | OREGON | USA



Winner of Street Seats:
Urban Benches for Vibrant
Cities design competition

**Design &
Photography**
Alyssa &
Kyle Trulen

Product Information
Benchmark by Thermory
Thermo-ash and
thermo-pine benches

Connecting people and nature.

The result of this considered design process is a seat for people and for trees. Inspired by “The Giving Tree”, a book by Shel Silverstein, designers Kyle and Alyssa Trulen set out to prove that a bench can be a pleasant and beautiful respite for people while also protecting and benefiting the tree. The bench encourages people to establish a relationship with the tree and the nature

around them and also to consider this relationship, with the intention of sparking a healthier urban environment. The seat is not just stunningly attractive – it also serves several important ecological roles, such as protecting the outer layers of the tree and limiting soil compaction, both of which damage trees in the long run.



The strong influence of sustainability in the design process made Thermory an obvious choice for the building materials. Responsibly harvested from renewable forests and modified with only heat and steam, Thermory wood offers the appealing qualities of tropical wood with significantly more sustainable features.

The bench was created using Thermory’s Benchmark thermally modified ash and pine. A Quiet Place to Sit and Rest wasn’t just designed with sustainable materials. The innovative design is made to grow with the tree: the bench was designed in sections, mimicking the look of growth rings on a tree, and hidden latches lock sections together while also making it possible to remove inner layers as the tree grows. The result is

a bench that complements the natural beauty of the tree while also protecting it, growing with it and serving as a catalyst for larger discussions about the relationship between trees and humans. This bench won the grand prize at the 2018 Street Seats: Urban Benches for Vibrant Cities. This international design contest challenged participants to reimagine the public bench and boasted over 200 entries from 24 different countries and 22 US states.



A bench in Dogpatch neighborhood

SAN FRANCISCO | USA

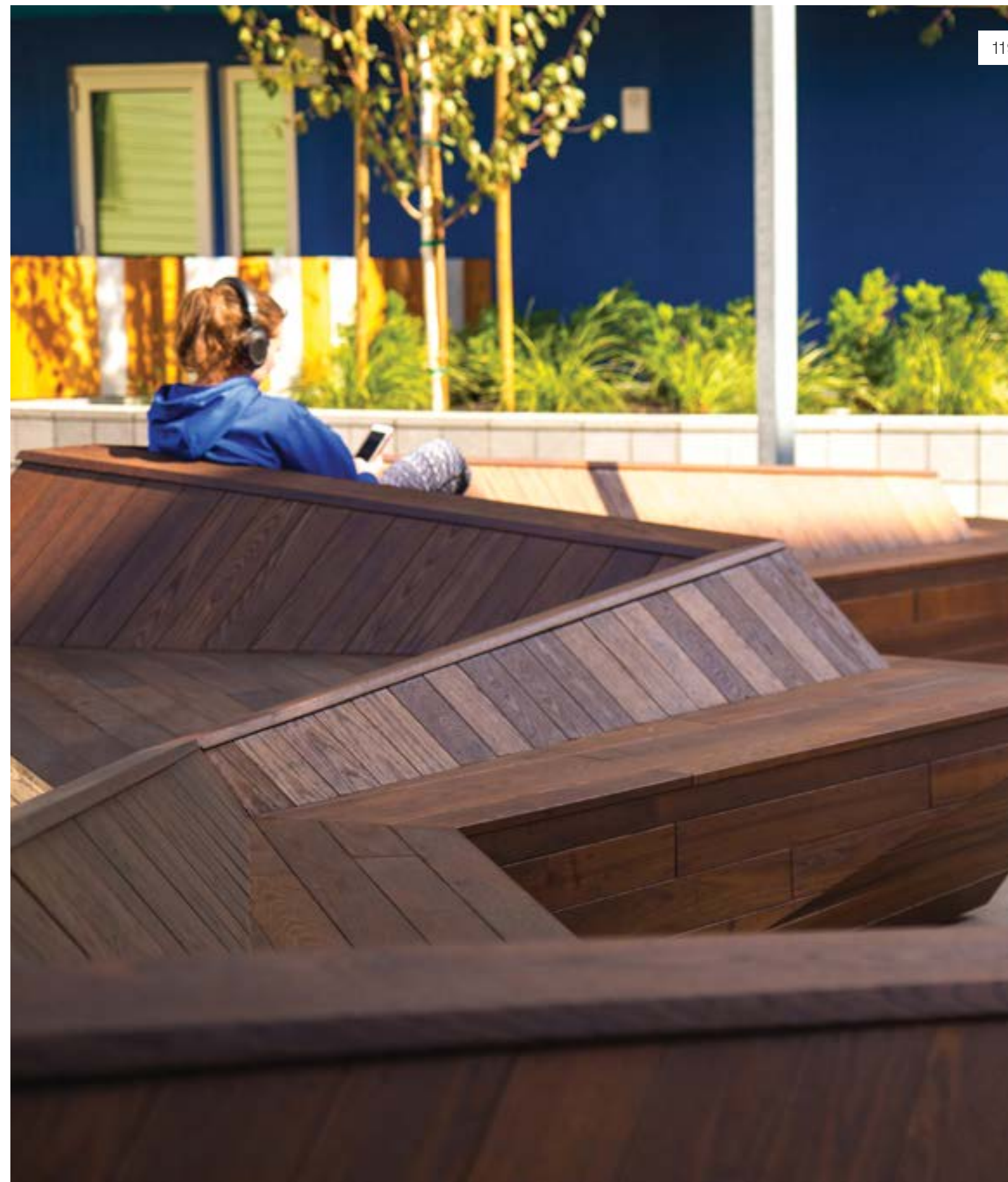
Design &
Photography
Fletcher Studio



Product Information

Benchmark by Thermory

Thermo-ash (intense) benches





Private Houses

ESTONIA

Photography
Allan Leppikson
& Aivo Kallas

Product Information
Decor by Thermory
Thermo-ash (medium
and intense) mosaic tiles



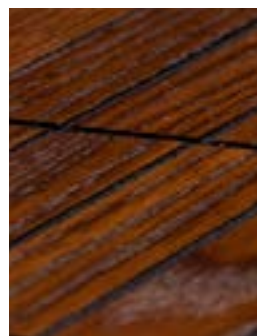
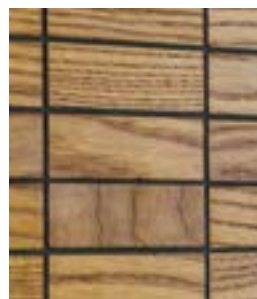
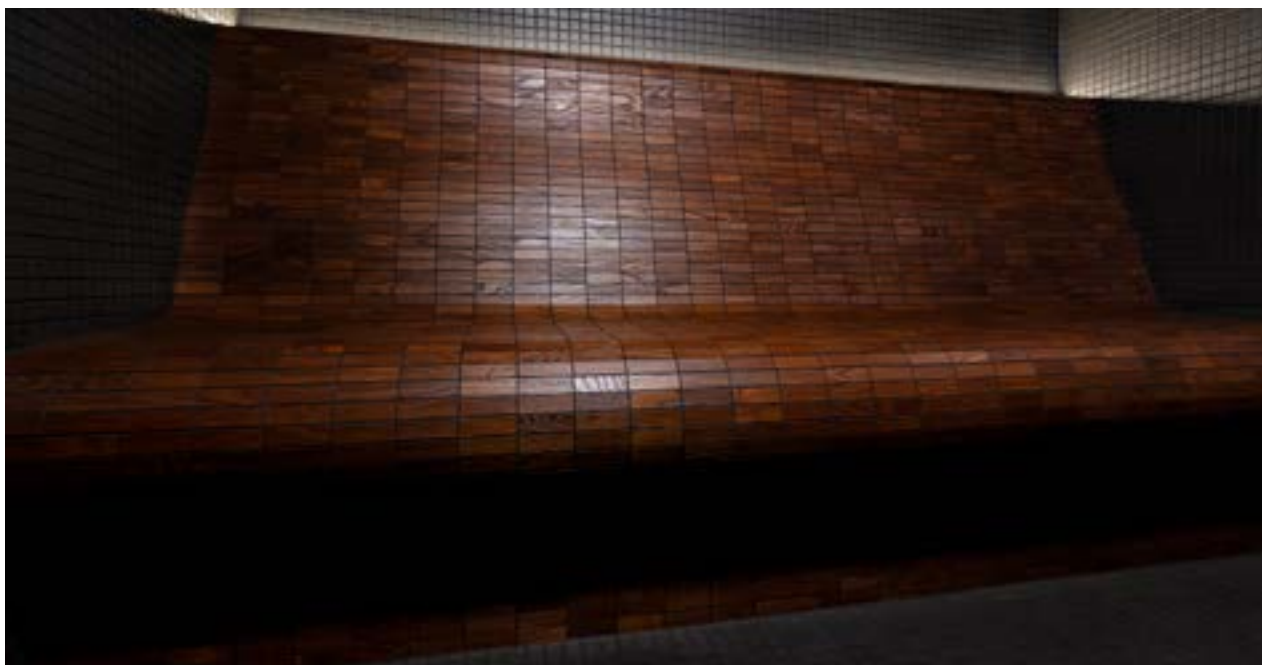
Bath

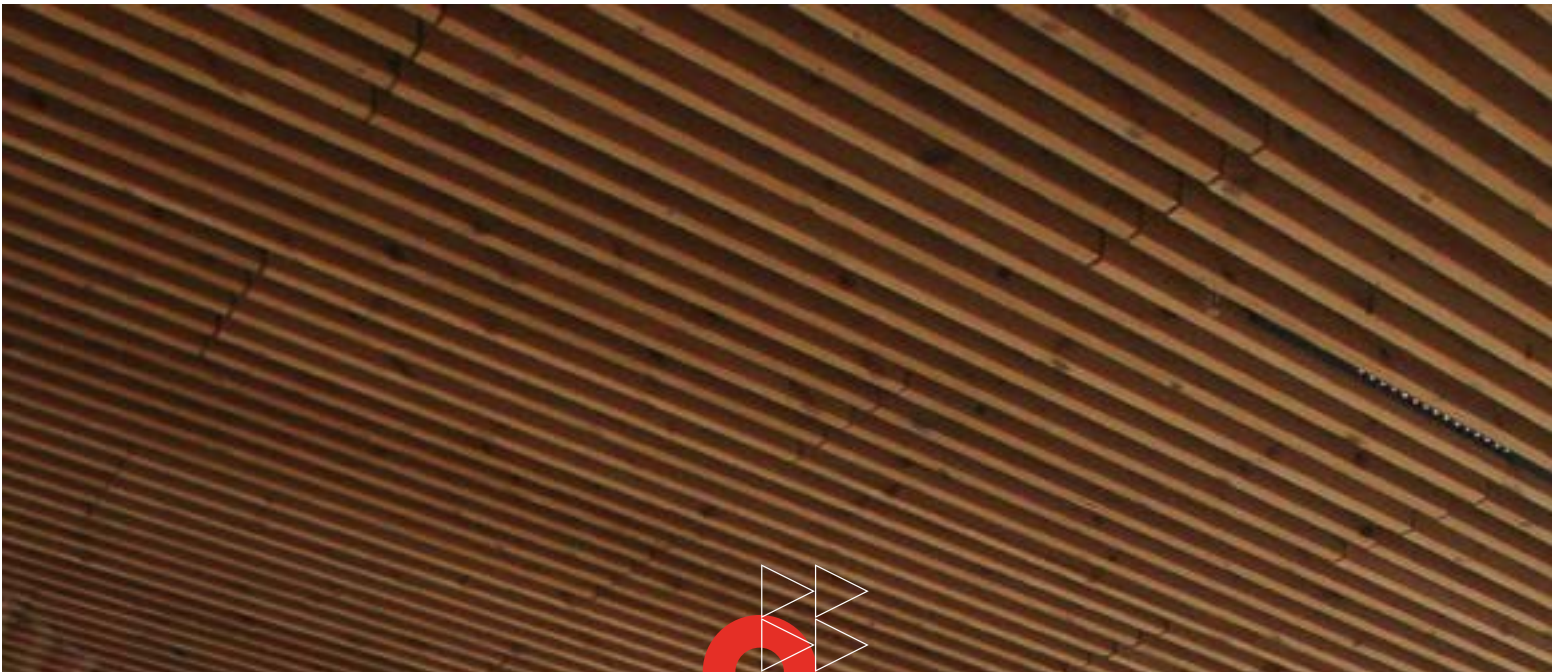
ESTONIA

Design
Frants Seer
Khis OÜ

Photography
Andres Kannel

Product
Information
Thermory
Thermo-ash





West Terminal 2 Port of Helsinki

HELSINKI | FINLAND



Design
PES Architects

Photography
Kari Palsila

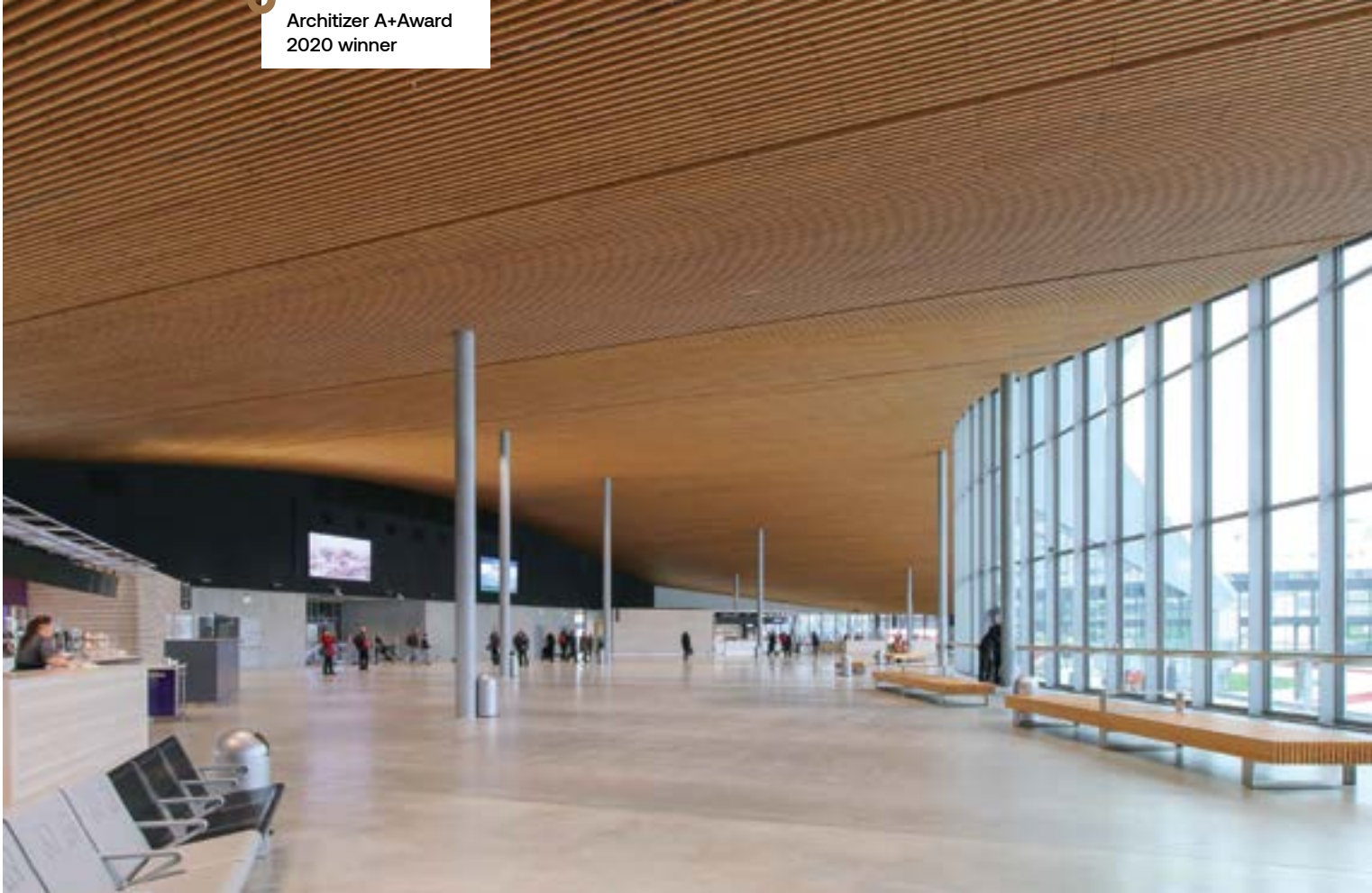
Product Information
Benchmark by Thermory
Thermo-pine ceiling

Decades of durability combined with low maintenance.

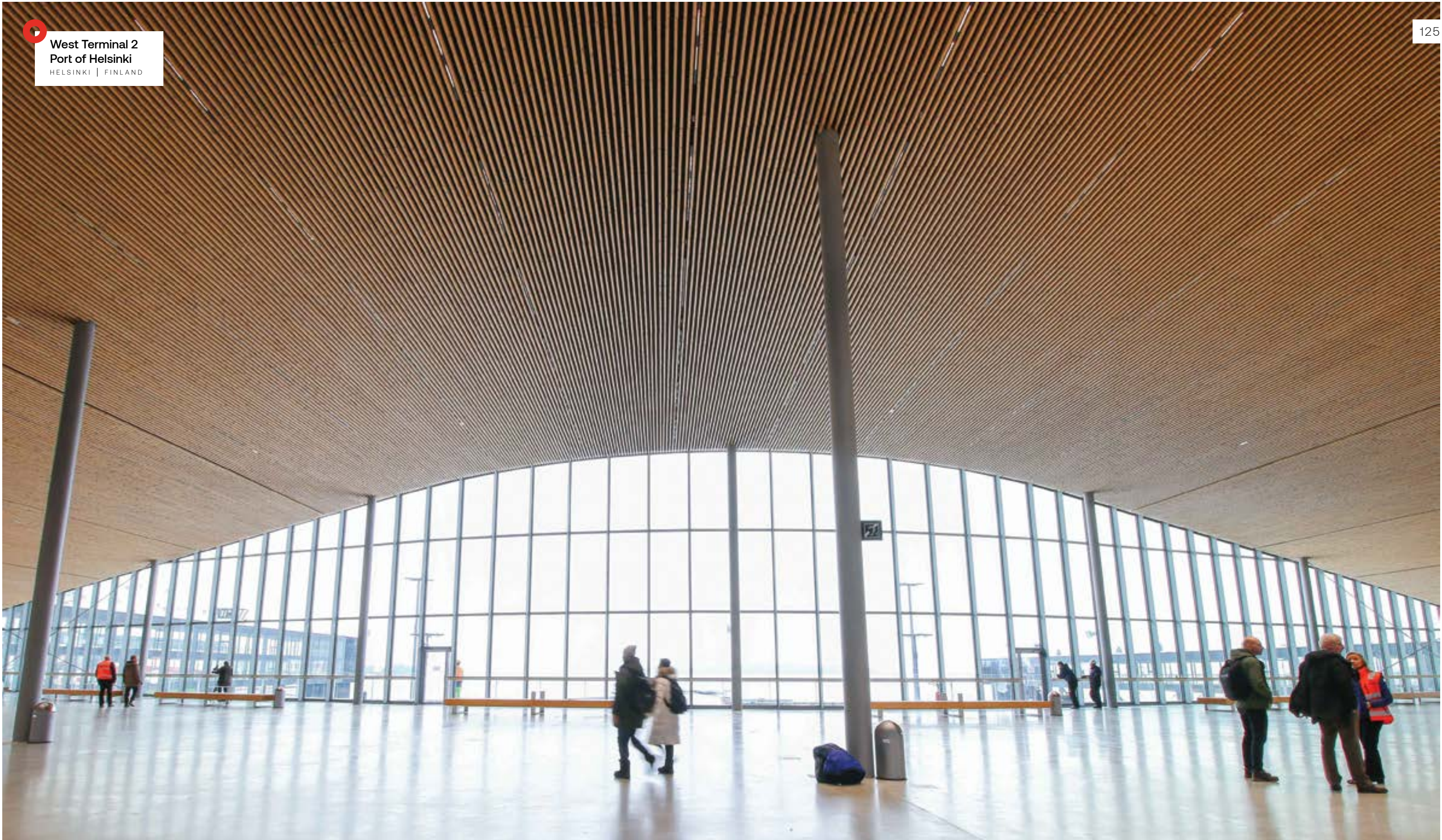
Helsinki's new ferry terminal was designed to meet the needs of growing sea traffic between Helsinki and Tallinn. This major project aimed to combine functionality with high-level architecture and design to create a modern, radiant hub for millions of international passengers.

The departure lounge is an open, hangar-like space with 15-meter-high glass walls and exquisite views of the

sea and docking ferries. Thermory's Benchmark thermally modified pine was chosen to complement the glass walls with a curved, sloping ceiling. The curves of the ceiling help direct the 6-7 million annual passengers through the terminal, and the high Solar Reflectivity Index of Thermory Benchmark intense pine significantly reduces glare, adding to the overall comfort and visual appeal of the space.



Architizer A+Award
2020 winner

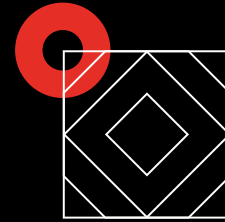


With the number of passengers passing through, durability was a significant concern for the designers. This is not a project that can afford to be redone every ten years. Thermory Benchmark pine offers decades of durability, and as it ages it will fade to the beautiful, rustic gray that makes naturally aged wood so appealing, providing a perfect complement to this stunning seascape.

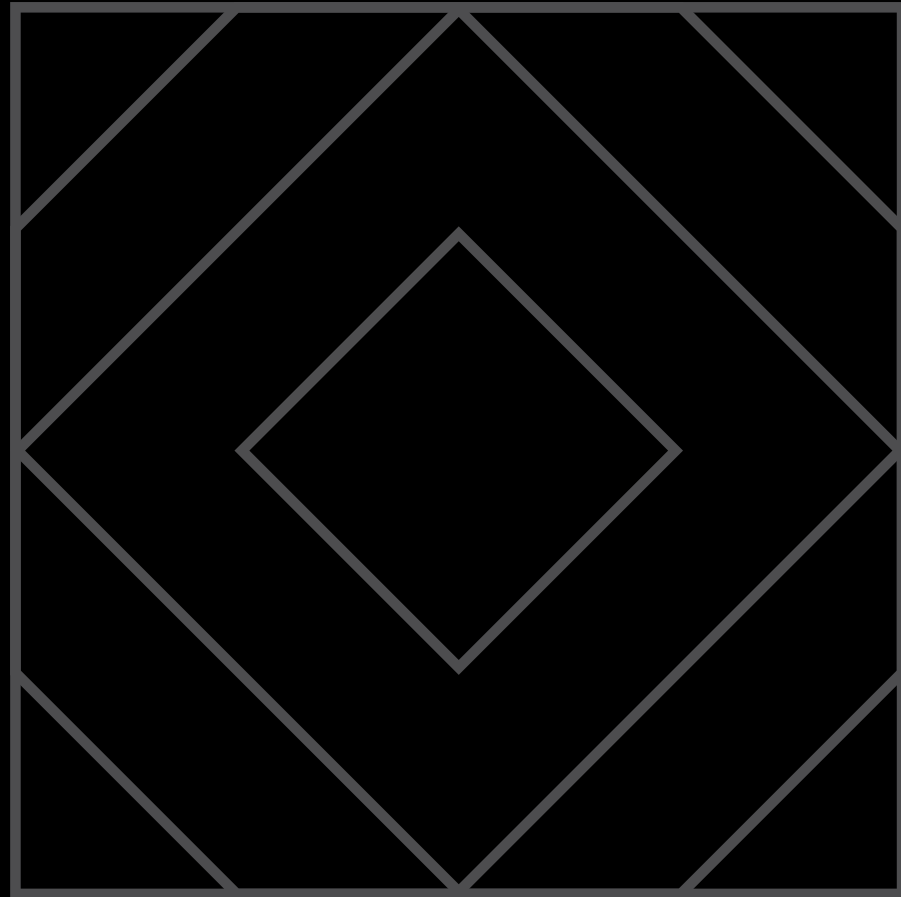
The port itself is expected to last a hundred years, and the Thermory Benchmark intensely modified pine will age gracefully with it, gaining in elegance and beauty over time.

The Thermory Pine ceiling at West Terminal 2 was nominated for the 2017 World Architecture Festival Awards in the category of Transport – Completed Buildings. It was also the recipient of the Finnish Lighting Award in the same year.





Feel the quality underfoot



The elegance of thermally modified flooring lies in the beauty of the wood's structure and its rich color palette. Thermory flooring provides coziness and warmth, with two levels of thermal modification to choose from. Intensely modified ash offers warm dark tones that truly bring out the natural beauty of the wood grain. Medium modified ash is perfect for interiors where bright, golden colors are desired. Thermory flooring is sold unfinished, allowing you to choose oils and lacquers to achieve your preferred aesthetic.

FLOORING



Restaurant
Tuljak

ESTONIA

Design
Tarmo Piirmets (PINK)

Photos
Tõnu Tunnel

Product Information
Benchmark by Thermory
Thermo-ash (medium)
engineered flooring.
Profile F6 18 x 245 mm.



Best Developer Work
(Estonia) 2016

Best Public Space
(Estonia) 2016



Restaurant NOYA
ESTONIA

Photography
Andrei Ozdoba



Product Information
Benchmark by Thermory
Thermo-ash (medium)
Industrial flooring





Office
Building

ESTONIA

Design
Triin Karuks-Pärn

Photography
Kairi Rand

**Product
Information**
Benchmark
by Thermory
Thermoy-ash
(medium) flooring





Private House

ESTONIA

Product Information

Benchmark by Thermory
Thermo-ash (medium) flooring.
Profile F3 15 x 130 mm.

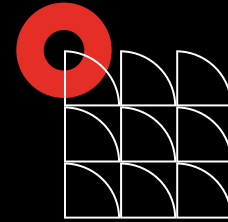


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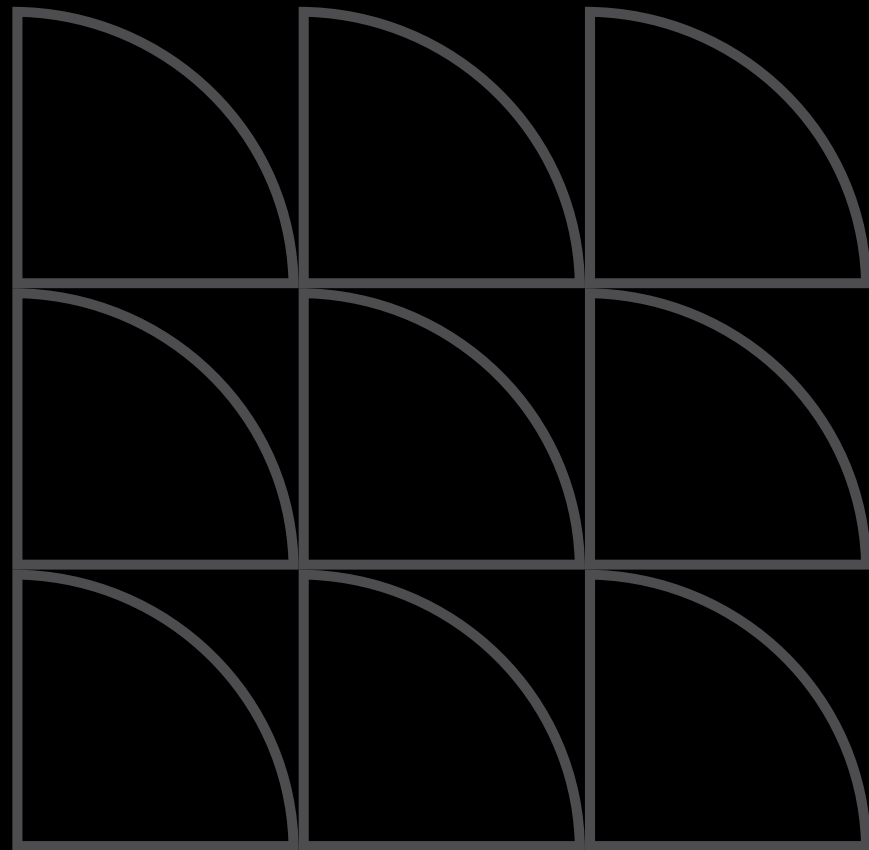
Photography

Aivo Kallas





Looking good, feeling
better – welcome to a world
of wellness, relaxation;
and beauty



As the world's leading manufacturer of sauna materials and ready-made saunas, Thermory sauna products can be found in homes and public spaces worldwide.

Our broad range of wood species, profiles, and dimensions caters for a variety of styles, offering everything from standard sauna materials to distinctive products with novel designs.

With a choice of natural, thermally modified, brushed, and painted wood finishes, our unrivaled range of options will ensure that you can design a sauna experience that's just right for you.

SAUNA



Electa Sauna from the Auroom Design Series

SWITZERLAND

This gorgeous sauna features wall panels from aspen with end-matching and STF profile length 293 mm with three different widths; 65, 85 and 120 mm.





Private Sauna

ESTONIA

A sauna designed with dark thermally modified alder walls STS10 15 x 65 mm, natural aspen ceiling STS10 15 x 68 mm and benches SHP 28 x 90 mm.



Teras Beach

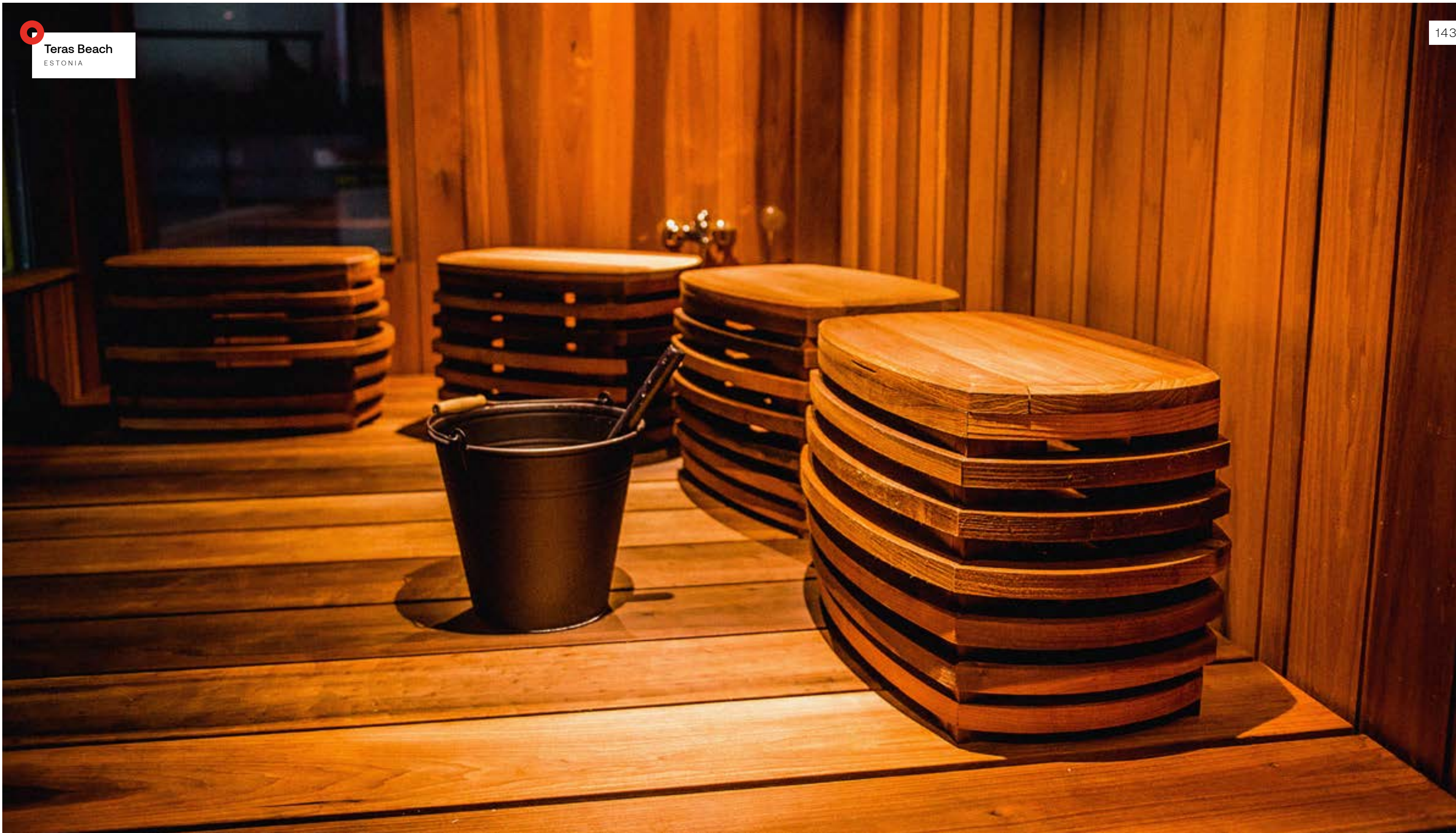
ESTONIA

This sauna, found at a gorgeous indoor beach hall with white sand, a beach lounge and multiple saunas, uses thermally modified magnolia STS10 with various widths – 15 x 170 mm, 15 x 145 mm and 15 x 68 mm.



141







Private Sauna

GERMANY

A wonderful example of how to create wellness spaces in special places. This under-roof sauna features 120-mm-wide STS4 aspen wall panels, with bench boards of the same size for a harmonious look, while the heater is smartly hidden behind the back wall.

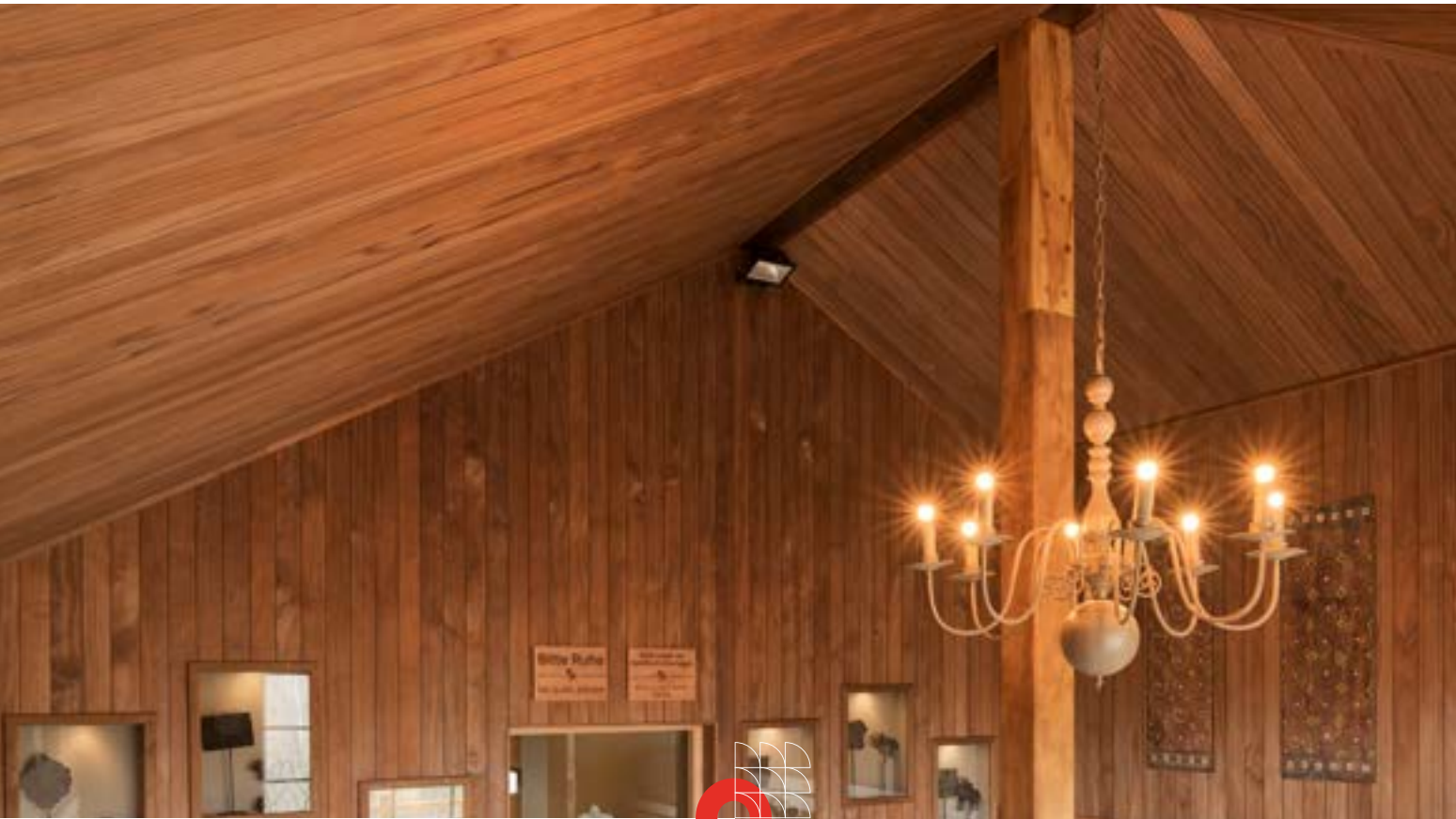


Private Sauna

GERMANY

In some countries, red cedar is widely used in saunas, and it is known for its pleasantly rich aroma and exquisite reddish color with a range of natural shades. This cedar and salt brick sauna features walls with STP 15 x 140 mm and benches SHP 26 x 90 mm.





Vabali Spa
DÜSSELDORF | GERMANY



The self-care revolution is all about simply being good to yourself and replenishing your inner reserves. Increasing numbers are finding ways to relax and recharge by slowing down and indulging the senses while also fostering a state of mindfulness, calm and relaxation. In addition to restorative activities like meditation and yoga, enjoying a spa and sauna experience is a great way to give something positive back to your body and soul...

Float in the outdoor pool, let your gaze wander over the Elbsee lake, sunbathe on the loungers, enjoy a drink on the lakeshore or simply relax in the sauna as you watch the world slowly pass you by through the panoramic windows. An idyllic short break on the outskirts of the city – this is the middle of Europe, but you could just as easily be in Bali!

This is Vabali Spa, Düsseldorf. A spa that delights guests with its spacious sauna area which houses ten saunas, two steam baths and extensive relaxation areas. One of the highlights is the panorama sauna with its breathtaking view over Elbsee. The sauna experience also includes soft music and various infusions for a special fragranced steam.





Places like this make us very excited at Thermory, especially in the case of Vabali Spa, where we contributed to this special oasis of wellness by providing our specialist sauna wood. We are always looking to be part of more wonderful projects like this, where we can help bring a combination of natural wood and deep relaxation to as many people as possible.



This sauna design presents an elegant combination of dark thermally modified brushed alder and light natural aspen with walls STS10 15 x 120 mm and

benches SHP 28 x 90 mm, while the decorative and aromatic juniper plate adds a special touch.



Spruce is not a common choice for the sauna, but softwoods can be used to create some design elements for walls and ceilings; this spectacular sauna features walls using Thermory Drift

Natural and thermally modified spruce alongside benches made with natural aspen.

Some hotels simply stand out, and here is a prime example with its gorgeous sauna boasting a special design that combines various wall profiles in thermally modified aspen STP 15 x 90 mm and SRP 15 x 82 mm with thermally modified radiata pine bench modules SHP 26 x 140 mm.



In this stunning sauna, different wood types and finishes are combined for a striking effect; this bold design choice makes use of beautiful light natural aspen for the benches alongside luxuriously wide thermally modified ash wall panels.



S

Wood for living

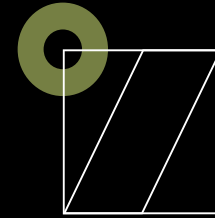
Siparila is a Thermory company that offers a wide range of natural wood products for construction and interior design. Siparila timber cladding products are created with a dedication to authentic Nordic wood, offering new sustainable and cost-efficient solutions that are easy to install and save you time.

Wood can support traditional or modern looks with timeless beauty, and it can be used to offer aesthetic

appeal, atmosphere and warmth to a space; the kind of comfort we all seek. We want to make exterior and interior construction and design an exciting and positive experience for you, whether you're an architect, designer, builder or decorator. We encourage you to use wood creatively and with an open mind, because it's an exquisite material that can create exciting surfaces and unique structures.

SIPARILA

→ siparila.fi



Fully finished, nail-free cladding saves time and money on the construction site



When you opt for factory-painted exterior cladding, you're saving both time and money. The panels don't require any surface treatment on site, helping you optimize construction time. Siparila's tongue-and-groove cladding design has been developed to enable invisible fastenings and end-matched panels while allowing for flexible joint placement. Siparila wood cladding withstands the toughest weather conditions year after year. Thanks to their high-quality coating and concealed fixings, our cladding panels don't need to be repainted for 10-20 years.

FULLY FINISHED EXTERIOR CLADDING

Puukuokka Housing Block

JYVÄSKYLÄ | FINLAND

Design

Anssi Lassila OOPEAA

Product Information

Siparila TOPCOAT-S cladding
28 x 145 mm Fully finished black
28 x 145 mm Larch

Completed in 2015, Puukuokka One was the first eight-story wooden apartment building in Finland. The housing block explores the potential of modular prefabricated cross-laminated timber (CLT) construction to provide high-quality, environmentally friendly and affordable housing.

The Puukuokka apartment complex, an energy-efficient and ecologically responsible trio of wood-framed apartment buildings in the Jyväskylä suburb of Kuokkala designed by Anssi Lassila, comprises three six-to-eight-story buildings, with construction on Puukuokka Two being completed in 2017 and Puukuokka Three following suit in 2018.





**The Resident
Act of the Year
Award 2016**

**Wood
Award 2015**

**Architecture Finlandia
Prize for Architecture
2015**

The goal was to find a solution that utilizes the technical and aesthetic qualities of CLT while creating a large-scale wooden building with its own distinctive architectural expression. The building's design combines the sense of privacy offered by individual family homes with the interactive benefits of shared spaces found in an apartment building, providing residents with a functional space that's also rich in experience. Puukuokka was also the pilot for an innovative lease-to-own financing strategy that supports social sustainability.

In the ceilings, floors and hallway staircases, the CLT structure has been left exposed and the walls are covered with gypsum board in order to fulfill fire regulations, which also require that

the panels used in the lower floor are fire retardant. The entire load-bearing structure and frame of the building is made with prefabricated volumetric CLT modules, which are covered with Siparila TOPCOAT cladding panels. The use of these prefabricated modules made it possible to cut the onsite construction time to six months per building, reducing exposure to adverse weather conditions and allowing for a final result with superior quality. Spruce, painted black, is used in the street-facing façades, with untreated larch in the courtyard side.

**German Design
Award 2017**

**Canadian Wood
Design and
Building Honor
Award 2015**

**Mies van der
Rohe European
Contemporary
Architecture
Award 2017
Shortlist**

S

Karisto School and Daycare Center

LAHTI | FINLAND

Design & Photography
Tilatakomo Architects Oy

Product Information
Siparila TOPCOAT Cladding
Topcoat-S 28 x 133 mm, 28 x 108 mm
Topcoat-V 28 x 170 mm
Pre-painted Planed Board 25 x 75 mm



The City of Lahti supports green growth by investing heavily in renewables and green infrastructure. When choosing to use wood as the predominant material for the new Karisto School and Daycare Center, the idea was to strengthen the local community spirit by reinforcing the identity of this area of wooden houses. The load-bearing structure of the building uses cross-laminated timber (CLT), with concrete providing strong support for the building and a secure underground shelter. The external walls are constructed from six-meter-wide timber elements coated with Siparila TOPCOAT cladding. The nail-free surface of TOPCOAT cladding gives a translucent tone to the façade, along with improved weather resistance.

Thanks to the shape of the cladding panels, nails and staples in each panel are hidden beneath the next one, which prevents water and impurities

from entering the wood. The use of industrially pre-painted TOPCOAT cladding also sped up this massive project as there was no need for painting on site after the installation. In addition to the cladding, the roof structures are also made with timber. The elevations use 108-mm horizontal and vertical boards with a natural finish and the curved parts of the canopy are made with 25 x 75 mm boards, while the steeper curves use a combination of plywood and narrow wooden battens. Despite the fact that construction was accelerated by the use of the CLT elements, the end result has the feeling of a hand-built school thanks to the Siparila TOPCOAT cladding, which was installed on site.







Pro Nemus Visitor Center

ÄÄNEKOSKI | FINLAND

Design & Photography

Ulla Passoja / UKI Architects Ltd



Product Information

Siparila TOPCOAT Cladding
42 x 300 mm



The Pro Nemus visitor center is a showroom for the Finnish forest, where wood can be prominently seen and sensed in all aspects of the building. The centerpiece is made with Metsä Wood's Kerto® LVL, while the outside is clad in Siparila's TOPCOAT cladding. Together, the strong features of these products offer longevity to the construction and allow for the creation of spectacular and spacious areas.

When producing this completely wooden building, the designers and project leaders sought solutions that would be suitable for industrial construction without impeding the architect. The most important criteria for an exterior finishing solution – especially for a visitor center – are durability and aesthetics, so the size,

profile and surface treatment of the cladding panels were designed in close cooperation with Siparila. From an architectural point of view, it was especially important to retain a strong sense of genuine wood in the exterior coating – both up close and from a distance. The Pro Nemus visitor center was designed by Ulla Passoja of UKI Architects Ltd.



Pro Nemus represents the pinnacle of contemporary Finnish wood construction, projecting modernity through the sculpted appearance of the building's design and its innovative material selection. The design incorporates wood into all of the building's surfaces, with the exquisite 42 x 300 mm Siparila TOPCOAT exterior cladding contributing significantly to its overall appearance.

surface grain and natural tones. This offers extreme durability that extends the maintenance intervals required to keep the wood in good condition when compared with traditional translucent wood finishes. The prefinished wood cladding, made with glued wood, also has the advantage of hidden fastenings, which improves the weather resistance of the façade as piling rods that could otherwise collect water are covered.

The entire surface of Pro Nemus has a matt appearance, making it distinct from other factory buildings. This unique surface treatment was achieved with a new, permanent paint treatment developed by Siparila; unlike conventional overlay painting, the innovate system retains the wood's

S

Pro Nemus
Visitor Center
ÄÄNEKOSKI | FINLAND





Helsinki Olympic Stadium

HELSINKI | FINLAND

Design

Yrjö Lindegren
& Toivo Jäntti



Product information

Pre-painted 28 x 98 mm board on the facades
Interior walls fire-retardant 20 x 90 mm birch lathes
interior ceilings fire-retardant 28 x 45 mm spruce lathes





Helsinki's Olympic Stadium, built in 1938, is a bold example of functionalist architecture. It was originally designed by architects Yrjö Lindegren and Toivo Jäntti, with an extensive renewal and refurbishment project undertaken from 2016 to 2020. The work was carried out with respect for the original architecture, using sustainable choices that maintained the stadium's classic appeal and its genuine warm atmosphere.

The total size of the site, including the stands, is around 90,000 square meters and the renovation was executed through a cooperative project management model with Skanska as the main contractor. Siparila provided materials for the wooden façades and the interior of the building. The upper walls of the auditorium are made with

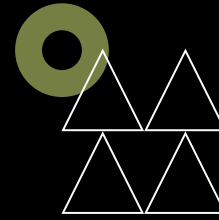
fire-retardant birch lathes and the ceilings with fire-retardant, finger-jointed spruce lathes, with the same materials also used in the construction of the underground sport facilities.

The Olympic Stadium's new wood cladding aimed to recreate the original design as closely as possible. During the tendering stage, Siparila supplied nine test walls with different shades and finishes, which were then installed on the south end of the stadium and exposed to the weather for two months. These tests showed that the finish satisfied the project's stringent quality requirements.

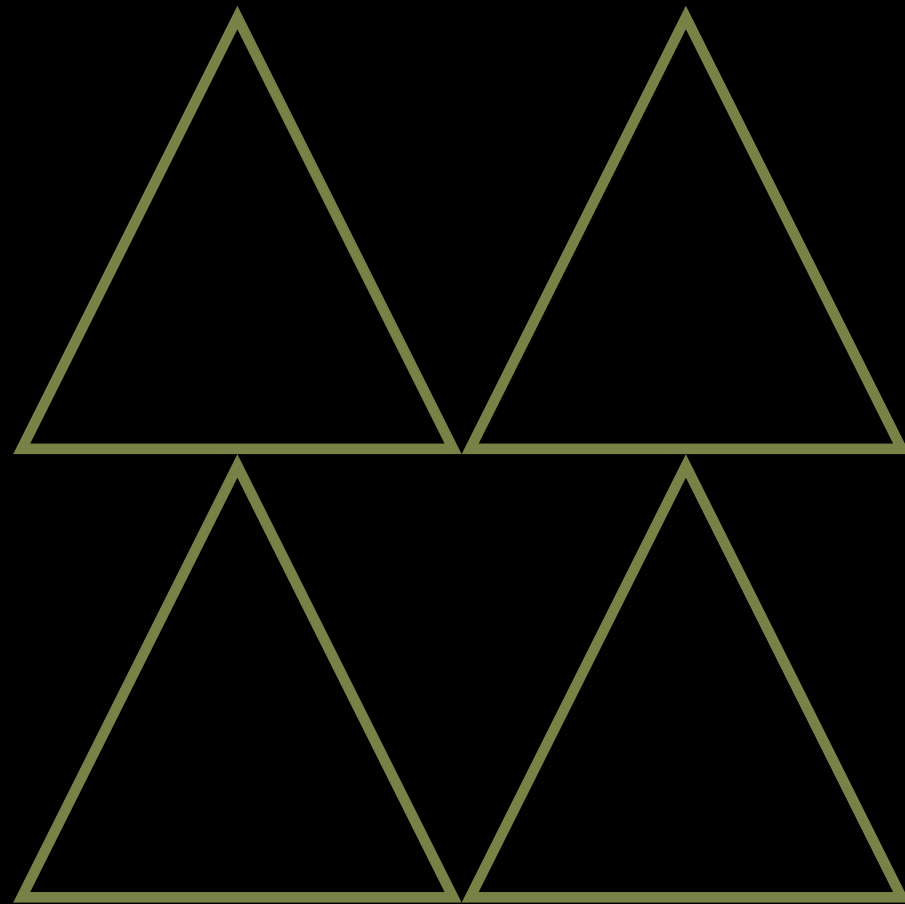
Structurally, the wooden exterior – which is slightly higher than in the original version – uses a separate supportive lattice to which the frame

and wood cladding are fixed. The biggest challenge was the complex form of the exterior, which features walls with an outward tilt that is especially pronounced at either end of the stadium. The external cladding consists of Finnish PEFC-certified fine-sawn spruce. The finely textured surface provides better adhesion for paint than an unfinished coarse surface, providing enhanced resistance to Helsinki's harsh weather conditions. All in all, the external cladding covers an area of 9,000 square meters, with a total 500 cubic meters of spruce used. The wood cladding of the Olympic Stadium is expected to trap up to 500 tonnes of carbon dioxide over its lifecycle.





Fire protection treatment enables the use of wood in demanding applications



During the fire-proofing process, a fire-retardant treatment is applied to the wood to allow it to withstand fire for longer. Siparila's fire-protected exterior cladding panels meet the highest B-s1, d0 fire classification for wooden construction products according to the EN 13501-1:2007+A1:2009 standard. The fire-protected Siparila panels carry the CE mark and are suitable for use in high-rise residential developments, care homes and public buildings.

FIRE-RETARDANT EXTERIOR CLADDING



Allas Sea Pool

HELSINKI | FINLAND

Design

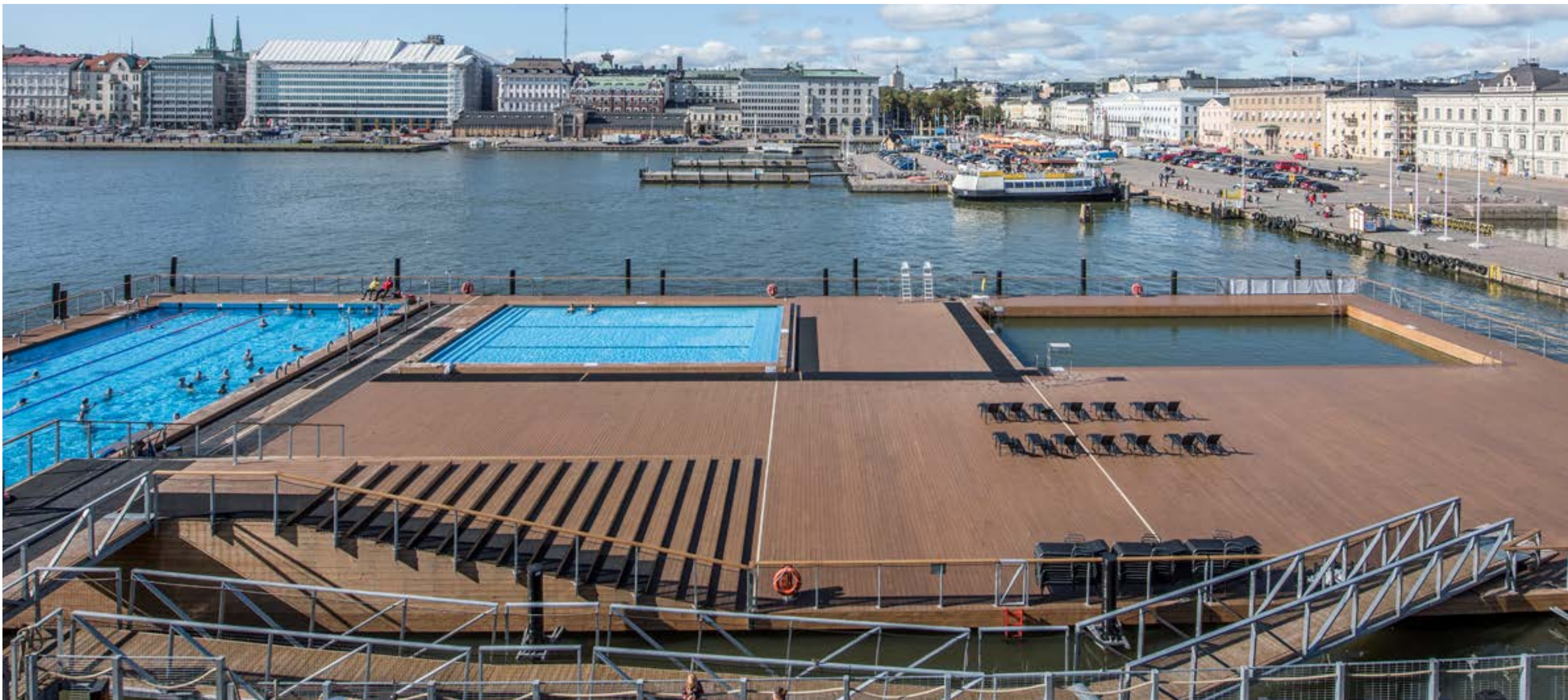
Pekka Pakkanen,
Huttunen-Lipasti-
Pakkanen Architects

Product Information

Siparila TOPCOAT Fire-Retardant
Boards. Profiles 28 x 120 mm,
28x95mm, 48 x 148 mm, 48 x 98 mm.

The Allas Sea Pool in Katajanokka, Helsinki is a stunning example of modern wooden architecture, with a design that is intended to be both distinctive and recognizable. A public building that displays views of the sea and the city of Helsinki, the shape of the building leads visitors to the

roof terraces where they can enjoy a panoramic view of Helsinki's metropolitan seaside landscape and watch ships passing by. The pool hosts weekly well-being and cultural events and is open to residents of the city throughout the year.





This large-scale building combines a pool and a cultural center, using tight-grained Finnish spruce as the main material throughout. Wood was chosen for the construction to represent Finland's deep connection with this versatile building material – popularly known as the land of a thousand lakes, the country is also covered with forests. The Allas Sea Pool, designed by architect Pekka Pakkanen of Huttunen-Lipasti-Pakkanen Architects, is intended to provide an oasis of relaxation in the center of Finland's capital.

All of the building's wooden surfaces are made with tinted spruce. The tinting sought to create a unified look that, when viewed from inside, would create continuity with the external spaces, and the fire protection on the terrace boards also uses the same color scheme. Because of the demanding conditions of the Finnish winter, the terrace boards were treated on four sides, with multiple layers of surfacing agents applied. The public façade is partitioned into a palette of wooden grids that shimmer in the light reflected from the activity in

the background. All wooden parts have been treated to fulfill the requirements of B-s1, d0, the highest Reaction to Fire classification.

The sea pool covers 9,000 square meters in total, with 2,800 square meters dedicated to the floating pier area and buildings taking up 1,800 square meters. The area offers 3,800 seats for visitors as well as 853 square meters of swimming pools.

S

Antinkangas School Center

RAAHE | FINLAND



Design

Avario Architects

Product Information

Siparila TOPCOAT-S

Fire-Retardant Cladding

28 x 95 / 120 / 170 / 220 mm

The largest single construction in the city of Raahé, the Antinkangas multipurpose school building is a fascinating project. This massive building has a total of 7,545 square meters of space including school facilities for 440 students and daycare facilities for 150 children. In addition, the center offers youth facilities and a large exercise hall that can accommodate up to 1,000 people.





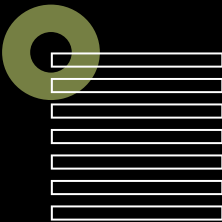
The goal for the design was to serve multiple user groups, and it was important that the building could be divided into sections that are safe and pleasant to use, even for the smallest members of the community. There was also a request from the municipality to design and build a “common living room” for all residents of Raahe.

A key challenge was to find an exterior solution that would create lightness despite the building’s massive size. Avario Architects decided to combine cladding panels with four different widths to create variety while simultaneously highlighting the various elements of the buildings. In addition, a variety of colors was used to create a strong visual effect and help visitors to navigate the center.

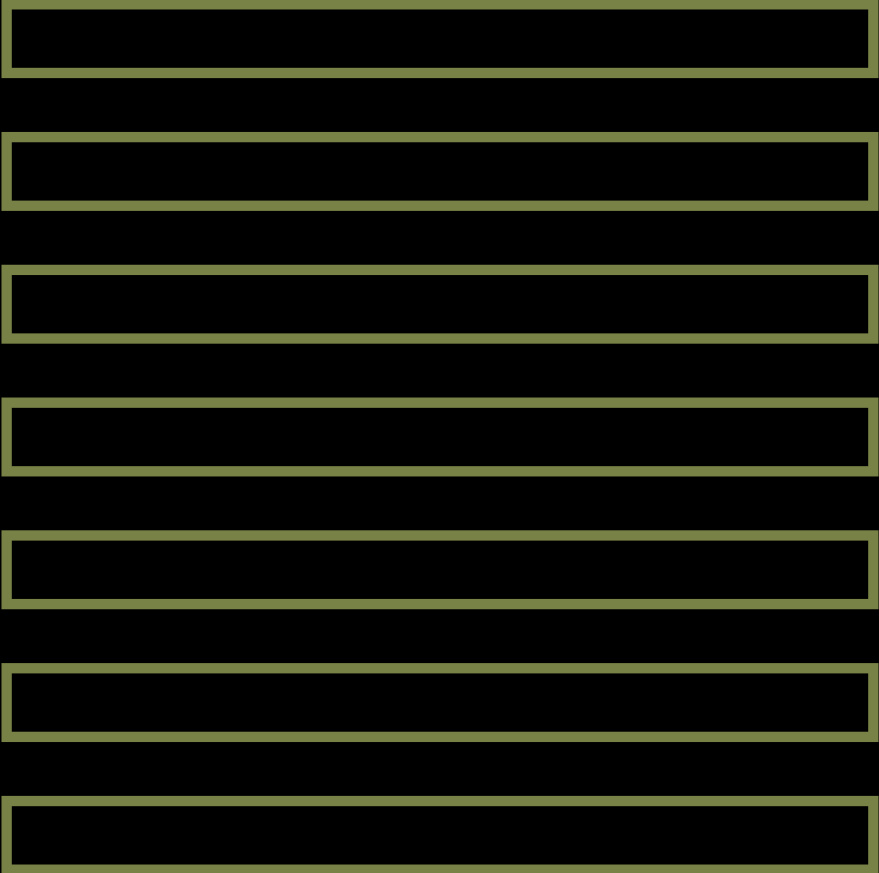


A total of 40,000 meters of exterior cladding panels were divided into four widths – 95, 120, 170 and 220 mm – and installed using a carefully designed pattern. The exterior of the polygonal multi-story building is lined with Siparila TOPCOAT-S Fire-Retardant Cladding panels. Siparila’s fire-retardant cladding offers the highest Reaction to Fire classification for wooden construction products – B-s1, d0. This allows for the use of wood in buildings with the most demanding fire class such as schools and nursing homes. Fire-retardant cladding slows down the combustion of the material in the event of a fire, giving more time for evacuation and fire extinguishing.

Siparila’s fire-retardant cladding panels also carry the CE label, which ensures the product’s quality and fire-resistance properties. The CE marking demonstrates that the surface treatment agent used for fire protection has been tested and approved by an authorized research institute. TOPCOAT cladding panels are pre-painted, with a convenient concealed attachment that allows for a nail-free look. When installed on site, the visible seams of the panels can be hidden to create a smooth, uniform façade.



New ways to
decorate with
real wood



As pioneers in the field, our Siparila team has been involved in the renovation of the Nordic exterior and interior decoration panel market. They are constantly working on product development with designers and architects to provide new, innovative and user-centered solutions. Siparila panels celebrate the beauty of wood and are available in a number of sizes and variations. Responding flexibly to your concepts, the panels can be used on their own or in combination to create the look you want, while the hidden fixing system allows you to create beautifully smooth and uninterrupted surfaces. The results of this are durable, authentic and timeless.

INTERIOR
PANELING

Lapuan Kankurit Helsinki Store

HELSINKI | FINLAND

Design

IMA Design

Product

Information

Siparila KOO2

Birch Interior Panel



The Lapuan Kankurit Helsinki Store is located in the Tori Quarter, a unique empire-style center in the heart of the Finnish capital between Helsinki

Cathedral and the Market Square, and within a five-minute walk of the Central Railway Station and other major landmarks.



The design of the renovated shop was created by Tokyo-based IMA Design, whose lead designers Mana and Takashi Kobayashi have also designed Lapuan Kankurit's Tokyo store and Lapua factory outlet. Lapuan Kankurit

produces Nordic textile designs that are inspired by the pure, rugged nature of Finland, balancing the cool northern climate by weaving warmth and softness into its products.



The design of the store was inspired by the forest. With birch wood used for decoration, visitors have the opportunity to experience nature and enjoy a sense of being immersed in the forest. Forest bathing (metsäkylpy in Finnish or shinrin-yoku in Japanese) is a form of natural therapy that allows individuals to experience their surroundings with all of their senses through touch, observation and conscious breathing.

Siparila's KOO2 interior panel was chosen as the material for the store, which makes use of a carefully crafted minimalistic and modern design to promote the natural beauty of the wood. The panels' hidden fixing system creates smooth and uninterrupted surfaces with a durable, authentic and timeless result that allows shoppers to experience the colors and softness of the textiles in combination with the warmth of the wood.







S Kannustalo
Harmaja Saimaa
MIKKELI | FINLAND

Design
Susanna Vento

Product Information
Siparila VIRE Interior Panel.
Color Translucent White Ash.
Designed by Ristomatti Ratia

Kannustalo Harmaja Saimaa is surrounded by nature and located on a private plot adjacent to Lake Saimaa, Finland's largest lake. Interior designer Susanna Vento added shades of the surrounding nature to the clear-lined interior, and the house's serene atmosphere is accentuated by the tall wall of the living room. The product chosen to decorate the visible surfaces was Siparila VIRE panel.

The VIRE interior panels' wavy surface presents an interplay of light and shade, highlighting the beautiful grain of the panels, which are made from ash wood. The vertical installation of the panels brings a dynamic sense of rhythm to the space while accentuating the height of the living room. Wood is also the material of choice for the larger surfaces, offering impressive acoustics.



S

Kannustalo
Harmaja Saimaa
MIKKELI | FINLAND

The VIRE panel, created in collaboration with eminent designer Ristomatti Ratia, brings an air of carefully considered elegance while allowing for creativity in the décor. The wave-like surface of VIRE illustrates the beauty of the Finnish archipelago, where the wind passes across the water towards the cliffs. The surface of the panels changes appearance depending on the viewing angle. The panels are designed to stand the test of time, both in terms of quality and design, and are equipped

with hidden attachments for a nail-free appearance. The VIRE interior panel elegantly connects the spaces of the house, with the serene atmosphere of the living room continuing onto the furthest wall and ceiling panels of the end bedroom and the translucent white surface of the panels adding diversity and drawing attention to the wood's natural grain.





Private House

LUVIA | FINLAND

Product Information

Siparila VIRE Interior Panel

Siparila KOO2 Interior Panel

Siparila STRUKTUURI Interior Panel



This multidimensional house presents soft decorative tones, with wooden panels playing a special role throughout. As the house is designed for comfort and functionality, the family's everyday life was an important consideration, with large rooms, natural materials and a spacious bathroom offering ample opportunities for relaxation.

The goal when selecting materials and colors for the interior spaces was to create a warm ambience. The white Siparila STRUKTUURI panels used in the walls and ceilings reflect the light while providing a perfect companion for the black and natural wooden surfaces and allowing the wood's natural character to shine.



The panels are also treated to withstand humidity and have a concealed fixing system and end-matching, making them ideal for washroom ceilings and saunas. Black Siparila KOO2 decorative panels break up the large white surfaces of the house and perfectly complement the black kitchen interiors. The KOO panels, designed by interior architect Kari Lappalainen, bring together three elements for a harmonious finish and they can be used on their own or in combination to create the desired look.

In the bedrooms, the iridescent metallic sheen of the USVA panels highlights the wood's natural grain, offering a perfect choice for a feature wall material. The panels catch the light, which enhances their beauty, while their minimalist, contemporary finish and narrow open joints deliver a high-impact look and feel. The end-matching of the USVA panels also reduced wastage in the construction.

The true centerpiece of the home is the bathroom, with its large windows overlooking the sea and a sensual atmosphere created through the combination of modern tiling and three-dimensional Siparila VIRE wall panels.





Design your very own wellness space

Auroom® is Thermory's brand for ready-made saunas, dedicated to providing complete solutions with full customization.

With a stunning range of carefully crafted sauna designs featuring sleek, modern looks, our designer series was created in collaboration with talented Italian architect Luca Donazzolo. The designs have attracted worldwide recognition, and they often serve as the basis for unique saunas that are customized to fit rooms of all shapes and sizes. Auroom's strength lies in our tailor-made saunas and specialized solutions.

With a broad selection of wood types, profiles and treatments, our experts will customize your sauna design to your precise needs. Whatever you have in mind, we can provide a sauna to cater for your unique style.

Auroom® saunas can be found all around in the world in a variety of locations including wellness centers, hotels, spas, gyms, luxury yachts, private homes and gardens. Our product range covers traditional, infrared and outdoor models and we also offer a broad selection of sauna equipment and accessories.

AUROOM

→ auroomwellness.com



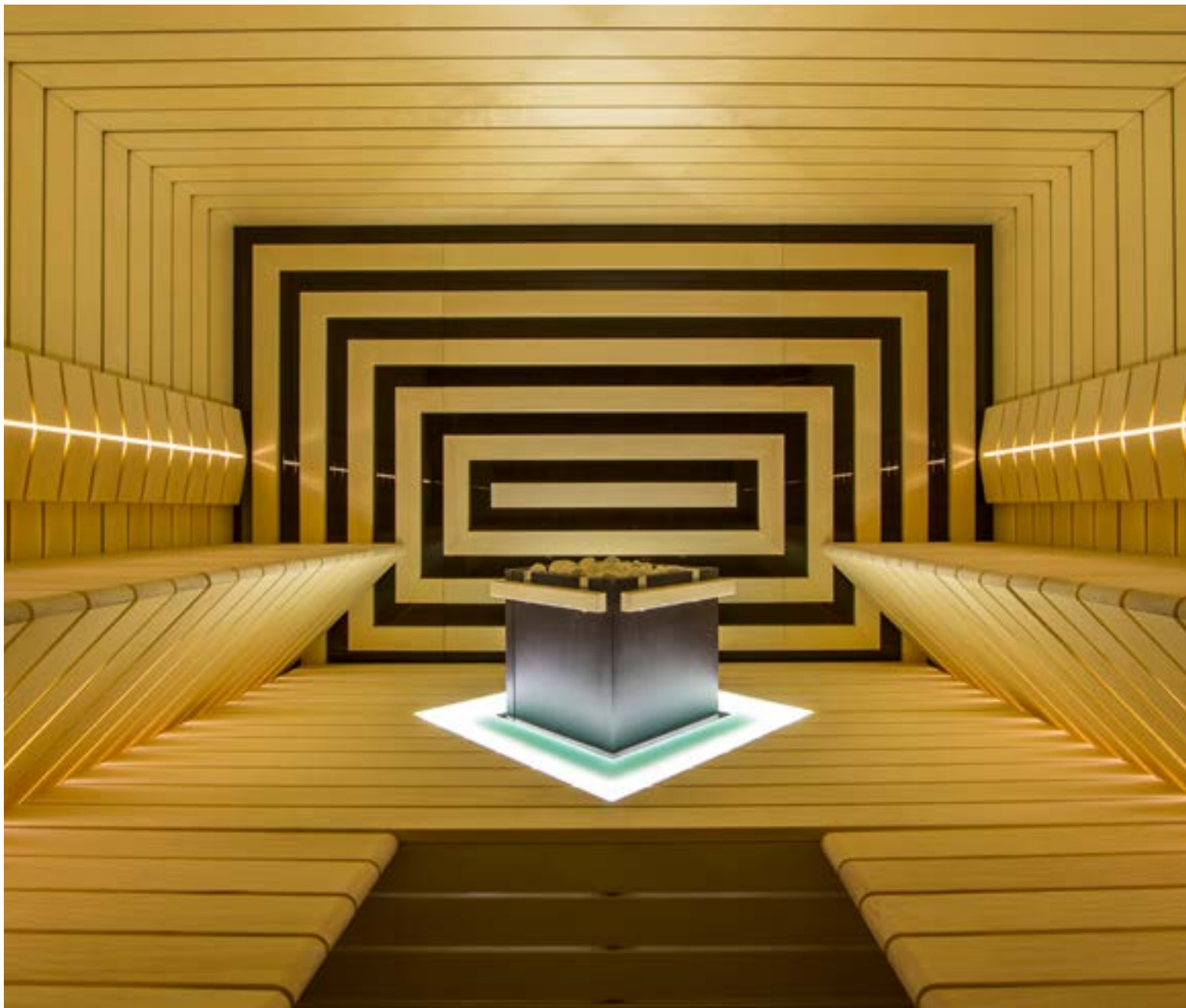
Tailor-Made Sauna

ESTONIA



This aesthetically pleasing, practical masterpiece catches the eye and relaxes the mind. Its angular design, infinity effect and lighting surrounding the walls and heater create a striking look. Combined

with its smooth, wide seats with rounded edges and enough space for eight to sit or two to lay down comfortably, this sauna really has it all.



Tailor-Made Sauna

UNITED KINGDOM



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This exquisitely crafted sauna features black and transparent external surfaces alongside eye-catching wavy lines that are offset perfectly by the light, playful design of the curved and cozy thermally

modified aspen interior. The addition of the hidden heater makes this unit ideal for those looking for a clutter-free sauna with a view.





Tailor-Made Sauna

UNITED KINGDOM

We feel hugely privileged to have partnered with Aqua Platinum on a project to build a glamorous sauna for St William Homes' development at Prince of Wales Drive, London. This specially designed sauna is made from alder and painted with a special black sauna wax. The sauna also features a hidden heater, which brings safety and a clean look to the design.





Tailor-Made Sauna

ESTONIA



This private sauna was designed to showcase the beauty of thermally modified radiata pine – in particular, the subtle ceiling lights highlight the attractive pattern and inherent warmth of this fine wood.

Through its contrast with the light tone of natural aspen, along with its rounded edges and corners, the radiata pine's dark mystique brings a touch of luxury to the sauna.





Tailor-Made Sauna

GERMANY

Specialist designs and tailor-made sauna solutions are a key strength for Auroom, as demonstrated by this gorgeous example with its large wavy bench made from natural aspen. This comfortable sauna has a light and airy ambience, and it feels every bit as good as it looks.



A

**Luca
Donazzolo**

Auroom's designer range of saunas was created in close cooperation with experienced and talented Italian architect Luca Donazzolo. After graduating from the University of Architecture in Venice, Luca began working with small urban and residential projects before shifting his focus onto designing wellness, fitness, spa and beauty spaces. Luca also specializes in energy efficiency, sustainability and the construction of wooden buildings.

The creative force behind the style and beauty of Auroom's unique sauna designs

Our collaboration with Luca began with a redesign of three classical sauna models that needed to be refined and elevated to a higher quality level that would offer our customers something truly special to please the eye and soothe the soul. While adhering to some central design principles, such as combining pure, clean lines with harmonious looks, we wanted to explore the use of edgier, more attractive materials while also introducing some new design elements.

In Luca's own words:

"If we look at the worlds of fashion, design and architecture in addition to those of psychological and physiological well-being, we find a strong influence in every direction between all of these fields. New technologies and social behaviors, in both real-life and virtual contexts, have led to a greater availability of information than in the past, meaning that there is no longer a clear distinction between home or office environments – we can be influenced by both when making decisions about these spaces. Think of the trend towards open-plan spaces in the home and the modern workplaces that then embraced these

principles to offer a more homely feeling for their employees. The office can be a home and vice versa. This is the starting principle that I considered when developing these sauna models; environmental features can be adapted for use in any space, and as such they become a design object to be exhibited, not hidden.

"A second principle that I worked with is a return to craftsmanship and manual skills in the building process. This derived from the awareness among our generation of the importance of retaining trade knowledge developed through the experience of our predecessors and also in the possibility, with the help of new technologies, of approaching craftsmanship in a simpler way. So rather than restricting ourselves to flat, linear surfaces, we can also consider contours that are able to create different aspects by playing with the lighting."

Together with Luca, Auroom developed a series of saunas that evoke a variety of values and emotions. Most of these were traditional saunas, with the addition of one infrared sauna and two outdoor designs. Lumina, Nativa

and Electa boast unique and attractive wall paneling, while the design of our infrared model, Irradia, enchants with its semi-transparent looks and brushed dark thermally modified alder. We also created Natura and its smaller, more compact cousin Arti – undoubtedly the most beautiful outdoor models in the sauna market.

All of these saunas have attracted positive recognition from around the world, and we are very grateful for our fruitful collaboration with Luca. At Auroom, we also offer exquisite tailor-made options, which has allowed these beautiful designs to take on a life of their own to complement the many shapes and sizes of the rooms in which they've been installed and the desires of those who have chosen them for their homes. Together with Luca, we're delighted and thankful to have the opportunity to spread this beauty and harmony into wellness spaces worldwide.

→ lucadonazzolo.it
→ auroomwellness.com

Indoor Sauna Lumina

AUROOM
DESIGN SERIES

Lumina was conceived as a sensual and harmonious sauna with features that complement each other perfectly. The sophisticated design, unique two-color walls and exquisite interior looks immerse you in a luxurious yet cozy and balanced atmosphere.





Indoor Sauna Libera & Familia

AUROOM
DESIGN SERIES



Libera allows for the addition of an additional external wall that acts as a visual continuation of the sauna's interior walls.

Familia is a classic sauna with a modern touch, with narrow, sharp-edged wall profiles that lend an intriguingly fresh look to this otherwise traditional design.



Indoor Sauna Nativa

AUROOM
DESIGN SERIES

Nativa's charm lies in its decorative and bold horizontal relief wall panels for a design that provides a feeling of safety and comfort.



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Indoor Sauna Irradia

AUROOM
DESIGN SERIES

A spectacular sauna with bold looks and a contemporary design, Irradia charms with its subtle combination of glass and wood. The skillful combination of these two materials produces a semi-transparent front that is simultaneously revealing and concealing.



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Indoor Sauna Varia

AUROOM
DESIGN SERIES

Varia is an everyday sauna with some extraordinary details that deliver a touch of freshness and a break from the routine. This beautiful sauna features a creative light scheme built into the wall.





Outdoor Sauna Natura

AUROOM
DESIGN SERIES

This outdoor sauna from Auroom is an oasis of calm in an untamed environment, with impeccable design and healing properties that chime with the beauty of nature.

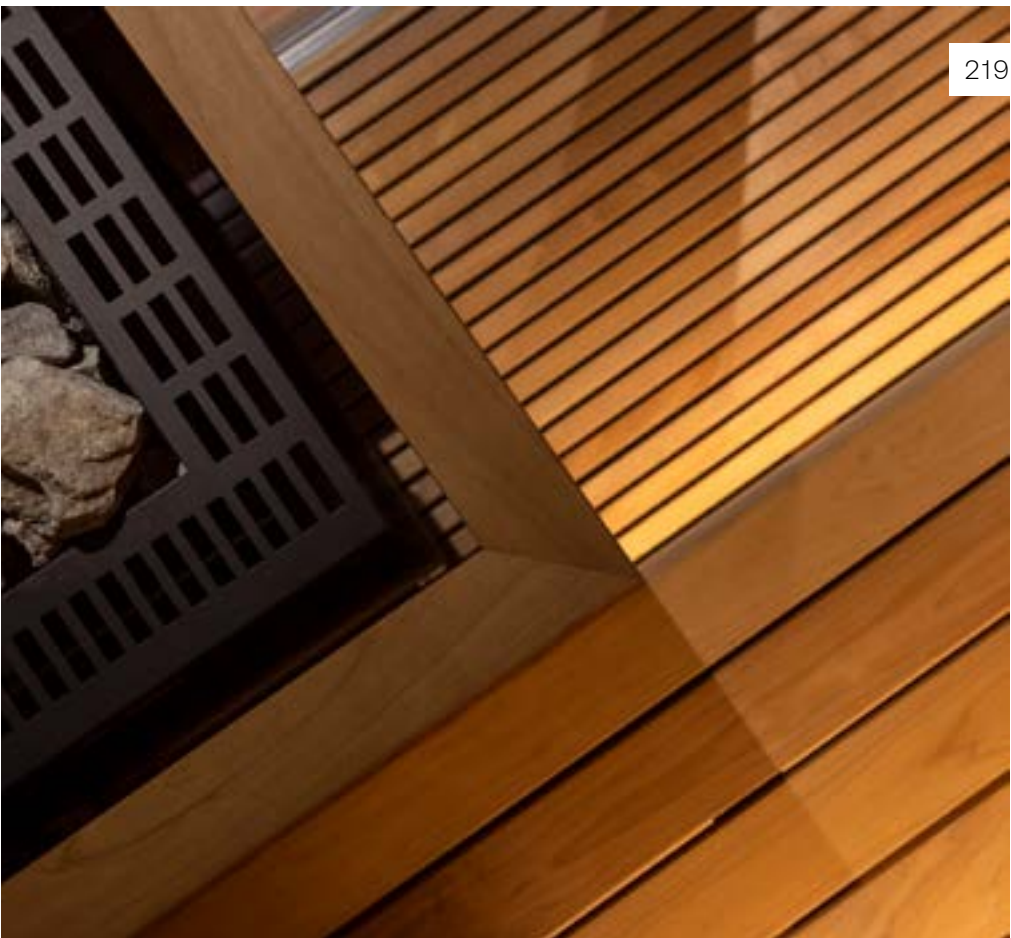




Outdoor Sauna Arti

AUROOM
DESIGN SERIES

Arti is a smaller version of our popular Natura model. Featuring the same gorgeous looks and offering the soothing experience you'd expect with an Auroom sauna, Arti's compact size also means it can be delivered in one piece. This sauna fits beautifully into smaller gardens and other outdoor spaces.



ARTICLES

Sourcing

Not every tree makes the grade

Ensuring the highest quality with the smallest possible ecological footprint and responsible use of resources are all principles that we consider important when selecting our wood.

Where do we get the materials that are processed into Thermory products in our factories? The short answer is, from all over the world. We source our raw materials from areas that employ conscientious forestry and sustainable production – from forests that, like Thermory's, are seen as renewable resources that must be managed sustainably. The business culture of our suppliers goes hand in hand with our own; they value their employees as much as the forest, caring about their well-being and working conditions. Whenever possible, we favor certified manufacturers whose customs and practices have been approved by widely recognized international organizations.

When sourcing wood, we set specific, strict requirements for both suppliers and product quality.

Thermal modification places additional demands on wood, amplifying any issues found with low-quality raw materials. The main criterion for

assessing the quality of façade and sauna products is their appearance. This is why, as well as sourcing wood locally within Europe, we have been as far afield as New Zealand and North America in our search for flawless timber. We mainly buy our softwood from the north, because spruce and pine wood grown in the Nordic climate has the best properties. Most of our softwood comes from Finland and Sweden, with some being sourced from Estonia and Russia. When it comes to hardwood, we stick to areas with a milder climate. The best hardwood comes from temperate forests in the Baltics, Belarus, Ukraine, Poland, the Czech Republic, Austria, Germany, France and North America.

We deliver our sustainable, high-quality raw materials in the most fuel-efficient and environmentally friendly way.

For this reason, some of our materials are transported to Estonia by sea. Importantly, none of our products use raw materials sourced from tropical woodland or rainforests. Thermory's technology and procurement principles make it possible to achieve a result that is equivalent to or better than precious tropical wood from a visual and functional perspective. This is why we look all over the world for the lumber that will become Thermory wood.



The mark of responsible forestry



State-of-the-art thermal modification technology

Thermal modification naturally enhances the value of wood, changing the landscape of the wood industry with products that offer unequalled durability and stability – this requires dedication to mastery and a skillful hand.

The ability to improve the durability of wood by heating it dates back to pre-Viking times. Centuries ago, it was known that burning the surface prolongs the life of fortress posts or ship hulls, and these days the physical and chemical changes that occur in wood during heat treatment are well known. The first patents for the controlled heat treatment of wood date back to the 1980s. Five clearly distinguishable modern technologies can be used, with two basic heat treatment methods – closed and open. In a closed system, the wood is heated under pressure in an air-tight chamber while in an open system, water vapor is added to the chamber. A rapid development took

place in the latter method in the 1990s, and with modern ovens that make use of electronics and other systems, it is possible to control the heat treatment with extreme precision. While many manufacturers use chemicals in addition to temperature changes, Thermory only improves the natural properties of wood with heat, water vapor and years of experience.

Thermory's quality is ensured by a specialized thermal modification process, developed and refined over 20 years.

The exact process varies by wood species and purpose of use, but the principle for all of our products is the same; the moisture level of the wood is reduced to 0% over 35-46 hours, after which the temperature is raised to the required level, followed by cooling and the addition of moisture. For medium thermal modification, the peak temperature is 190 degrees centigrade – this is suitable for wood for indoor use. In the case of products for outdoors, a much more intensive heat is needed to provide greater durability, with temperatures of at least 215 degrees used. This seemingly simple procedure is complicated by the need to achieve the same quality levels in different batches and the fact that the properties

of the raw material wood are affected by where it is grown, residual humidity, temperature and several other factors.

The stability of Thermory wood is unrivaled.

We use our own technology to produce thermally modified wood with exceptional properties, with every part of the process playing an important part – from our unique processes and ovens to the experienced operators who ensure that the results always meet the same high standards, all year round, year after year, and fiber by fiber. Regardless of

where the raw materials have come from, how dense the wood is or what its cellular structure is like, we turn it into a building material that retains the desired dimensions and visual beauty even in the harshest weather conditions. Thermal modification lowers the wood's absorbency, so exposure to moisture no longer makes it expand as much. The process also improves the wood's dimensional stability, so it expands and contracts less in outdoor conditions. At the same time, we don't cook the life out of the wood – rather, we improve its condition. Not with chemicals, but simply with heat and water vapor, on which our technology is based.





Why thermally modified wood?

Between our wood experts and our exceedingly high sourcing standards, we're able to create products that set the bar for rot resistance and longevity—our thermal modification makes wood more durable and stable. During the thermal modification process, the wood's density decreases and its structure changes, which gives our products many advantages.

- Wood's biological resistance increases as its nutrient make-up is altered during thermal modification, making it less available to pests and microorganisms. This increases the durability of the wood in outdoor conditions and ensures that it does not need to be impregnated with toxic substances for protection.
- The heat and sound insulation of thermally modified wood is superior to that of natural wood by as much as 30%.
- Unlike chemical impregnation, thermal modification enhances the wood throughout, not just the outer surface. The result is boards that are stable and durable in every sense.
- Thermally modified wood has a lower weight and density, making the wood easier to work with mechanically.
- Wood's physical and chemical properties change during thermal modification. When it's heated, the wood releases moisture and its chemical composition is transformed.
- Thermally modified wood has a beautiful, deep color. This can offer sustainability benefits, for example by making thermally modified ash a great alternative to tropical hardwood.
- Thermal modification lowers the wood's absorbency, meaning that exposure to moisture no longer causes it to swell as much. It also improves the dimensional stability, so the wood is less likely to cup, twist or bend as much as other wood products in outdoor conditions.
- As no chemicals are used in the thermal modification process, our products are safe and there's no need to handle them as hazardous waste after use.
- Thanks to its versatility and durability, thermally modified wood is suitable for interior and exterior use in homes and public places, and it can be used for façades, decks, balconies, saunas, swimming pool areas, floors, walls and roofs.

Changing the construction industry in the United States

Thermory's thermally modified wood has found a warm reception beyond our home area, and one of our largest established markets is the United States – Kevin DeMars, one of the principals of our US subsidiary, says that even he is surprised with the 2020 sales figures so far.

"If someone had told me that we'd experience this kind of demand a few years ago, I would have called them crazy," DeMars says, adding that although the technological specificity of Thermory products and the science behind it are still rather difficult to explain, people naturally understand the beauty and quality of Thermory wood when they see it for themselves. According to DeMars, Thermory addresses many hazards posed by conventional floor, patio and cladding boards such as rot, waterlogging, decomposition and discoloration: "Of course, it's great to welcome new customers, and even better to see repeat customers returning, as it's clear that we've won their trust with our products," says DeMars.

From a hockey player to a wood enthusiast.

Before entering college, DeMars was a keen sportsman who aimed for a future in teaching. While preparing for this career as a young man, he worked in a factory to earn pocket money, where he fell in love with wood. In particular, he was attracted to what wood meant and what could be done with it. During this time, he decided to change his professional aspirations and started studying wood technology instead. DeMars was introduced to Thermory by his business partner Mark Challinor in 2008 – in a conversation with the company's founders Meelis and Marko Kajandu where they discussed Thermory's technology, he learned about the molecular effects of our heat treatment on wood.

"It simply came to me then – I felt how, together, we could make a meaningful contribution and bring positive change to the construction industry in the USA," recalls DeMars.

Success is based on a strong team.

DeMars sees his staff as the key cornerstone of Thermory's success in the United States. In order to put together a first-class team, DeMars took inspiration from Steve Jobs – for example, he learned that if only second-rate workers are hired, they want to interact with other second-rate workers, whereas top-class makers only want to communicate with others on the same level to advance their abilities and improve their output.

And of course, it doesn't hurt that the product in question exceeds the quality of anything else on the market. DeMars finds it comical that he sometimes has to resist claims that Thermory's technology and products are nothing special and that they could be offered more cheaply. "After more than twenty years of experience, we've become pretty good at assessing the quality of our competitors' products, and we're not ashamed to say that what they're offering simply can't be compared with the quality levels of our products," he explains. At present, Thermory does not have a factory in the USA, but there are warehouses in both Buffalo and Denver with a wide range of products available. Cladding, terraces and floorboards are all sold in comparable volumes within the US market, with the most popular woods being ash, pine and spruce.

Inspiring creativity.

DeMars is pleased that Thermory products have sparked creativity in builders, architects, homeowners and designers alike. For example, Thermory wood has been used for baths, sinks, even jewelry – and so much more besides. "I'm not a big fan of being restricted by plans or fixed ideas. Of course I like to plan for a future that is visible and perceptible, but if we take too much of a long view, opportunities that arise in the meantime may go unnoticed."





THANK YOU, THERMORY TRIBE!

Your shared love of wood has led you to collaborate on breathtaking products and projects that make a positive impact on the world, and you're all incredible – but together, that's where the magic really happens.

For more than a few decades, we have worked with many like-minded people around the world to solve the most complex construction challenges.

This includes architects, designers, builders, distributors and Thermory's skilled woodworkers, all of whom believe that wood is the most ecologically clean material and a renewable natural resource with a minimal carbon footprint. We call this fellowship the Thermory Tribe, and we are united by common beliefs and feelings.

The Thermory Tribe is defined by our shared values.

We are interested in the future – not just for a better environment, although this is a good starting point. For the Thermory Tribe, wood is not just a

renewable resource, but a material with which we share a genetic connection. Coming from the same place and going through a similar lifecycle, we recognize this common vibration and the shared experience that has been stored in the cells of both trees and humans for millennia. We believe that if the world continues to be increasingly dominated by plastics and artificial chemicals, our species' sense of primal commonality with nature will fade and our ancestral legacy will be lost. On the other hand, by revisiting and further developing ancient wisdom, we can create sustainable solutions with wood that can be embraced and further developed by future generations.

The challenge for today's Thermory generation is to make life cleaner and more sustainable.

At Thermory, we do this in an environmentally friendly way, treating wood with just three components – heat, steam and knowledge. Without

chemicals, and without additives. This reduces the ecological footprint of the finished products, which are easy to reuse because there is no need to process them in a resource-intensive way.

We value simplicity when creating our products, and we make them for people like us who share our values – the Thermory Tribe. To make it easy to find the right material for a room, yard or other environment, Thermory products are divided into clear categories, and they come with human-friendly instructions that make installation an enjoyable experience.

By respecting wood as a historical material with a human connection, we create values that will last for generations.





WHERE CAN YOU FIND US?

We have been distributing our unrivaled thermally modified wood and sauna products around the globe for over 20 years, with over 20 million square meters of our products installed worldwide. Our headquarters are in Estonia and the USA, but our reach is global.

Thermory USA
Buffalo Office ▾
Denver Office ▾



Thermory



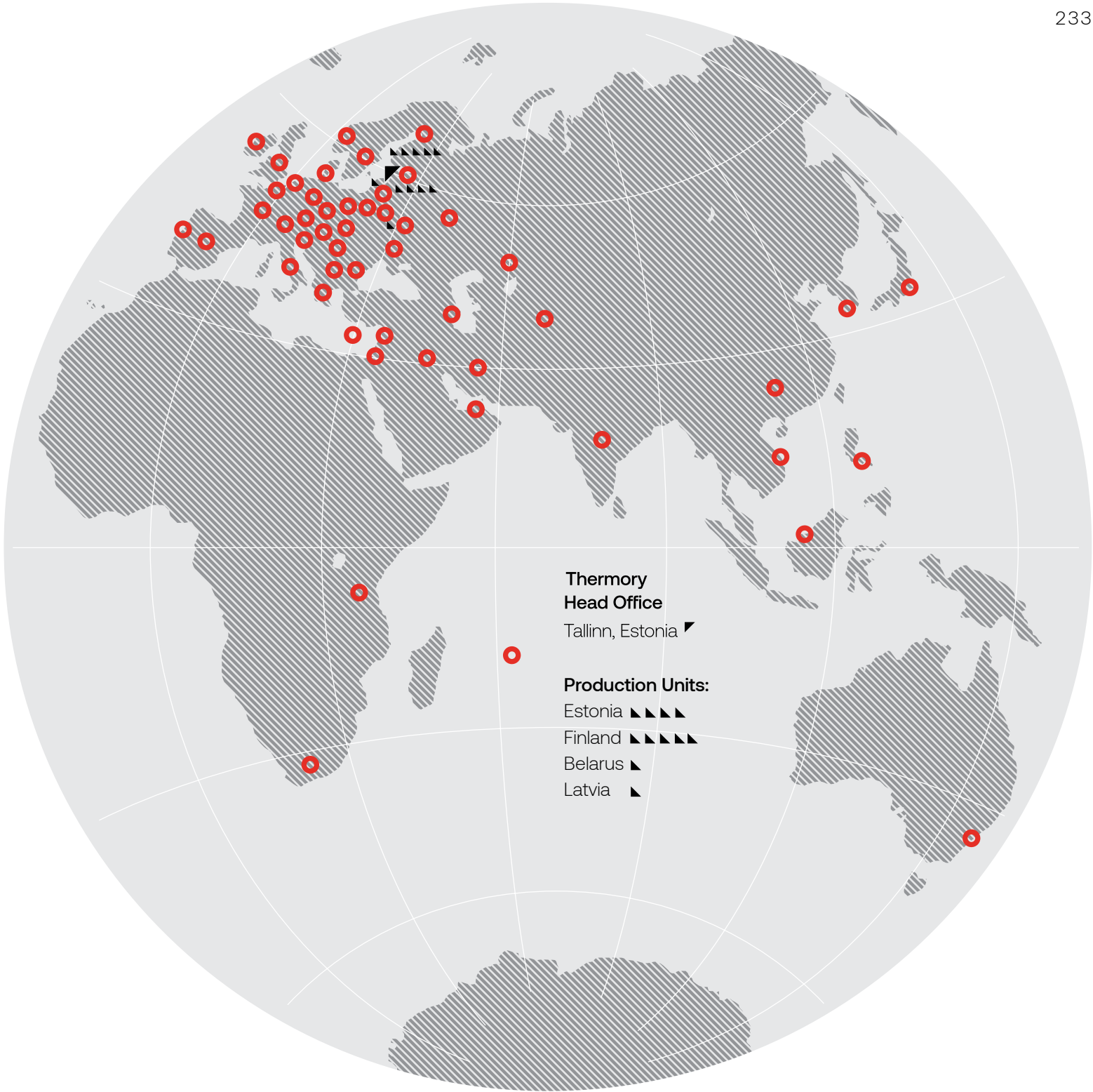
Thermorydesign



Thermory



Thermory AS



We sell our products
in **58 countries**



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