



THERMORY
Excellence in Wood

A modern office interior featuring a large atrium with a curved ceiling and walls clad in horizontal wood slats. Several large, white, umbrella-shaped pendant lights hang from the ceiling. In the foreground, there are high-top stools and small tables. In the background, a reception desk with a white counter and orange accents is visible, with people working behind the counter. A person is walking through the atrium in the middle ground.

We are one of the world's leading providers of durable, eco-friendly wood

Thermory brings a touch of real wood to people's lives around the world. We manufacture and supply real wood products originating only from well-maintained forests. Our wide product range helps to carry out the visions of architects and home owners in more than 50 countries.



The touch of real wood

We love thermally modified wood. Thermal modification gives wood a beautiful rich colour and aesthetic appeal. It makes our wood more durable, stable, and resistant to the environment, while retaining the real warm touch of the wood.

Resistance par excellence

Our products have high resistance to heat, water, fungus and mould. This makes the wood usable in places where most other natural materials would fail – outdoors, high-moisture areas, saunas and on top of heated floors.

Lifespan in outdoor conditions*

Thermory ash

Class 1 / ≥ 25 years

Teak, Ipe

Thermory pine

Class 2 / 15-25 years

Bangkirai

Oak, larch, cedar

Class 3 / 8-15 years

Plantation teak, pressure-treated wood

* Durability Class, European Standard EN 350

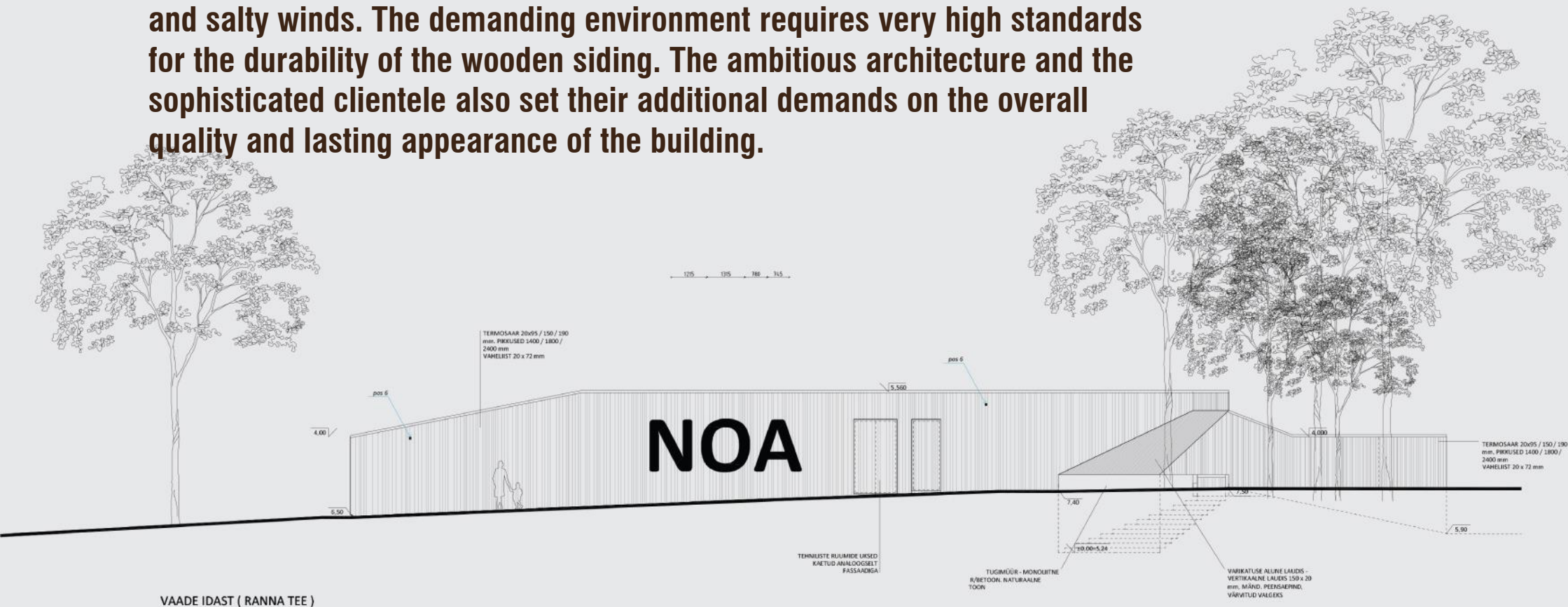
Case study #1

Life next to a northern sea
Restaurant Noa, Estonia



The challenge

The restaurant is located on the coast of Tallinn Bay and is exposed to the sea and salty winds. The demanding environment requires very high standards for the durability of the wooden siding. The ambitious architecture and the sophisticated clientele also set their additional demands on the overall quality and lasting appearance of the building.





The solution

Due to its stunning appearance and excellent durability, thermally modified wood became the first choice of KAMP architects. The architects worked together with Thermory's team to select the right colours and profiles. Thermo-ash cladding from the Dubai series was used in different profiles and thicknesses, and the indoor floors included a medium-modified ash flooring from the Salsa series.



KAMP Architects

**“Working together with
Thermory has been a very
positive and effective
experience!”**



For easy living

Our wood requires little protective maintenance because of the thermal modification and enhanced durability. The surfaces can be wiped and oiled every now and then to retain the original look of the wood.

Case study #2

One of the largest wooden residential developments in the world
The Waterfront - Stavanger, Norway



A photograph of a modern multi-story building with a light-colored wooden facade. The building features large, dark-framed windows and balconies with glass railings. The perspective is from a low angle, looking up at the building. The sky is overcast.

The challenge

Thousands of square meters of wooden facade equals thousands of square meters of potential maintenance. How to lower the facade's maintenance costs and preserve the original appearance long-term?

An aerial photograph of a modern architectural structure. The building features a prominent wooden facade made of vertical slats. A large, wide outdoor staircase with a metal railing leads down from a higher level. The ground is a mix of light-colored concrete and dark wooden decking. Several people are walking on the stairs and the ground. In the background, the ocean is visible, with a yellow buoy floating in the water.

The solution

The cooperation between AART architects and Thermory lasted throughout the design and construction periods. Thermo-pine Madrid and Arizona were used for the facade, the decking and even for roofing. In regard to the facade, maintenance is estimated to be required only every 15 years – a much longer period than with any other wooden materials.

A black and white photograph of three men, likely architects, standing side-by-side. The man on the left has a beard and is wearing a light-colored shirt. The man in the center has curly hair and is wearing a dark jacket. The man on the right is smiling and wearing a dark shirt. The background is a plain, light color.

AART Architects

**“Thermally modified
wood has proven to be
the perfect match for
the Waterfront.”**

A traditional wooden Viking longship is moored on a calm lake. The ship's hull is made of dark, weathered wood, and its prow features a carved dragon head. The lake reflects the surrounding landscape, which includes steep, forested mountains and a small village on the shore. The sky is overcast with soft, diffused light. A red circle is positioned to the right of the main title.

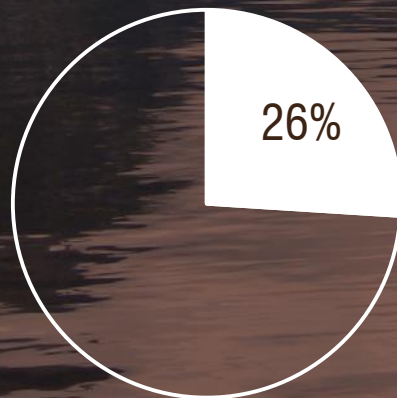
Ancient wisdom, modernized

Thermally modified wood was the secret of Northern seafarers who used the process to render their ships resistant to the corrosive effect of salty waters. We have developed, innovated and enhanced this technique into the 21st century. Our experts have spent years perfecting the technique in order to bring this unique finishing into modern homes and public spaces.

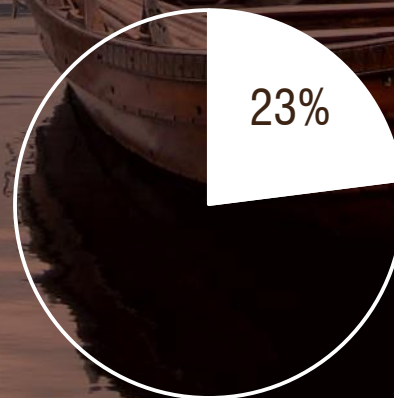
Wood's moisture content*

* After 70 days in outdoor conditions;
study by VVT, 1994

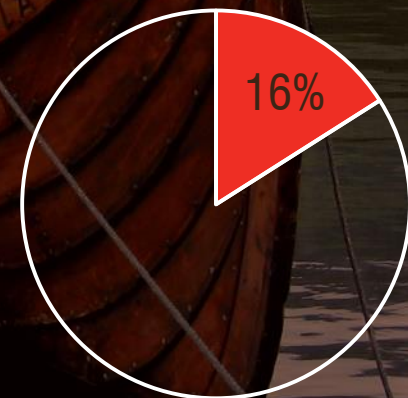
Untreated wood



Pressure-treated
wood



Thermally modified
wood



Case study #3

A place to relax
Ezerec Spa, Bulgaria






The challenge

Spa centre – a relaxing place with pools, jacuzzis and saunas. That also means a lot of water, heat and moisture. How could real wood be suitable for this environment?

The solution

Thermal modification significantly reduces the wood's ability to absorb water. The process decreases the wood's equilibrium moisture content up to 45% compared to unmodified timber. This greatly improves wood's dimensional stability. Thermally modified wood also has significantly lower thermal conductivity, thus keeping the wood cool and comfortable when used for outdoor decking, poolsides and sauna benches. This is in addition to the beautiful aesthetics of Thermory ash – the rich dark colour and the elegant grain of real wood.





Veselka Zarkova, Tehnotop Ltd

**“Our customer is very
pleased with the choice.
Thermory quality is superior
to others.”**

An aerial photograph of a dense forest. The trees are mostly green, but many have turned yellow and orange, indicating autumn. The perspective is from directly above, looking down on the canopy.

A gift from nature. A gift to nature

Our raw materials come from sustainably managed forests in the USA, Canada, and Europe. These areas are certified and controlled on the state level. We do not use any tropical timber in order to save the endangered rain forests. Nor do we add any chemicals or plastic to the timber, which would result in troublesome waste at the end of its lifespan.

Production energy kWh/m³

Sawn timber	500
Impregnated wood	520
Thermally modified wood	550
Concrete	800
Drywall panel	1300
Wood-plastic composites	1350
Steel	27000

* Life Cycle Assessment Of Finnish Thermally Modified Wood Cladding, Finnish ThermoWood Assoc. 2008

Case study #4

Wooden dunes
Memorial of the Battle of Puebla - Mexico



A wide-angle photograph of a large, curved wooden deck, likely a rooftop or elevated walkway. The deck is made of light-colored wooden planks and curves gently upwards from the foreground towards the background. Several people are walking on the deck: a woman holding a child on the left, a man taking a photo, a group of three people in the middle, and two more people further back. A metal railing runs along the edge of the deck. In the background, a cityscape is visible under a clear blue sky. A few young trees are planted along the edge of the deck, and a tall, thin white pole stands near the right side. The overall atmosphere is bright and open.

The challenge

The sheer size and scope of the project, 6,500 m² of decking, resulted in substantial environmental considerations. The Pueblo city administration specified that the memorial's raw material had to come from sustainable sources and that its post-life cycle environmental impact had to be minimal.

A photograph of a modern public park at sunset. The foreground and middle ground are dominated by a wide, flat area covered in light-colored wooden decking. Several long, low wooden benches with metal supports are spaced out across the deck. A young tree with bare branches stands in the foreground, its base surrounded by white gravel. In the background, more trees and a distant cityscape are visible under a sky with soft orange and yellow light from the setting sun. The overall atmosphere is calm and contemporary.

The solution

Thermory's thermo-ash Karakum was selected as the decking material. The City of Puebla thus gained a handsome new public space made of sustainable material. The surface requires minimal maintenance and is totally chemical free. At the end of its life cycle, the decking can be utilized as firewood.



Mayra & Jose Manuel Gallardo Saucedo
Novandi

**“Thermory provides you with
excellent products and a high
quality service.”**

Designed to the last detail

Our passion is bringing the touch of real wood to as many people as possible. We work continuously to make the visions of architects and homeowners become reality. From raw material to installation, from inspiration to maintenance - every minute detail, right down to the finish, is meticulously designed and double-checked.

Thermory services

Vision,
engineering

Manufacturing

Installation

Maintenance

Engineering materials
Showroom

Decking
Cladding
Flooring
Sauna
Furniture
Decor mosaic tiles

Accessories
Installation videos

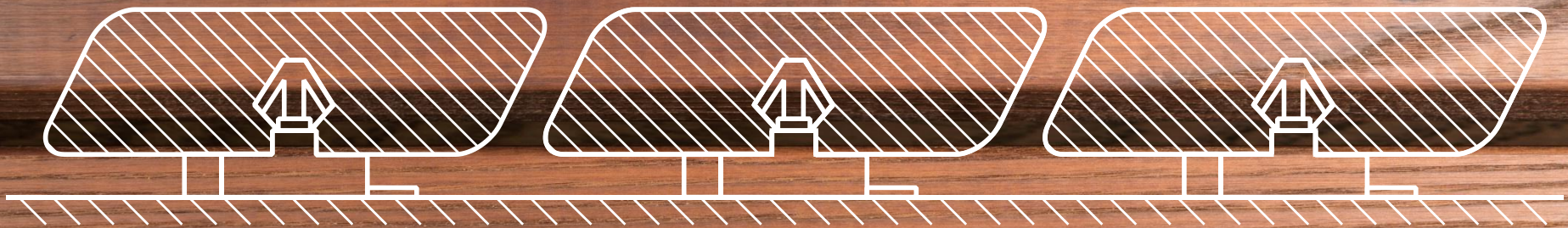
Accessories
Maintenance videos

B1-1, B2-B clips



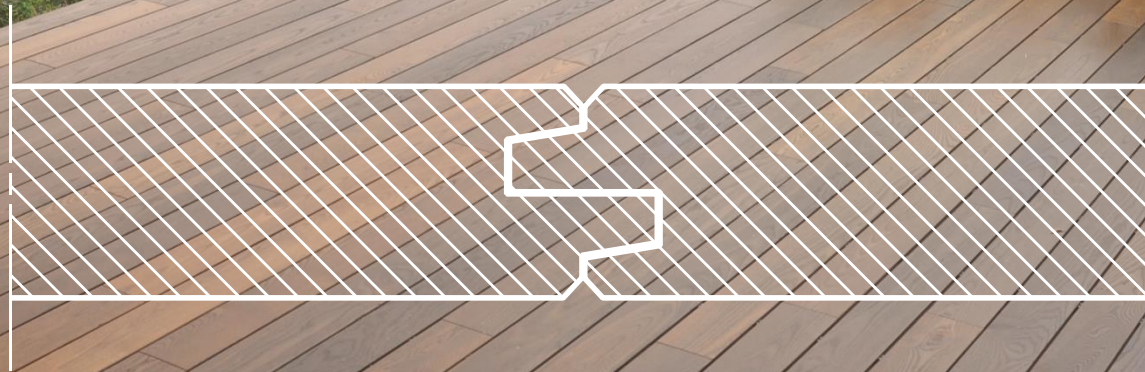
The B1-1 and B2-B clips are hidden fasteners for decking boards. The clips allow exceptional holding power thanks to the claws located on the tabs. The result is a stable, smooth and safe deck surface with no visible screw heads.

Thermory PaC-System™



Thermory has developed the PaC-System™ solution to ensure quick and easy installation. This solution reduces installation time and thus the labour cost. Simply “Press and Click” the beautiful thermo-wood boards into place once the Thermory under-construction battens with attached clips have been installed.

Thermory JEM™



For a tight, clean look, most Thermory profiles can be manufactured with end-matching (JEM™ – Joint End Matched), enabling random lengths to be installed quickly and efficiently. The JEM™ system's load bearing strength eliminates the need for board ends to be supported by the under-construction below. In addition to its clean and beautiful design, JEM™ also saves measuring and cutting time and greatly improves the overall yield.

An aerial photograph of a large industrial facility, the Thermory factory, situated in a rural landscape. The factory consists of several large, interconnected buildings with blue and grey roofs. A red circle is placed over the word 'work' in the title text. In the background, there is a body of water and a line of trees under a clear blue sky.

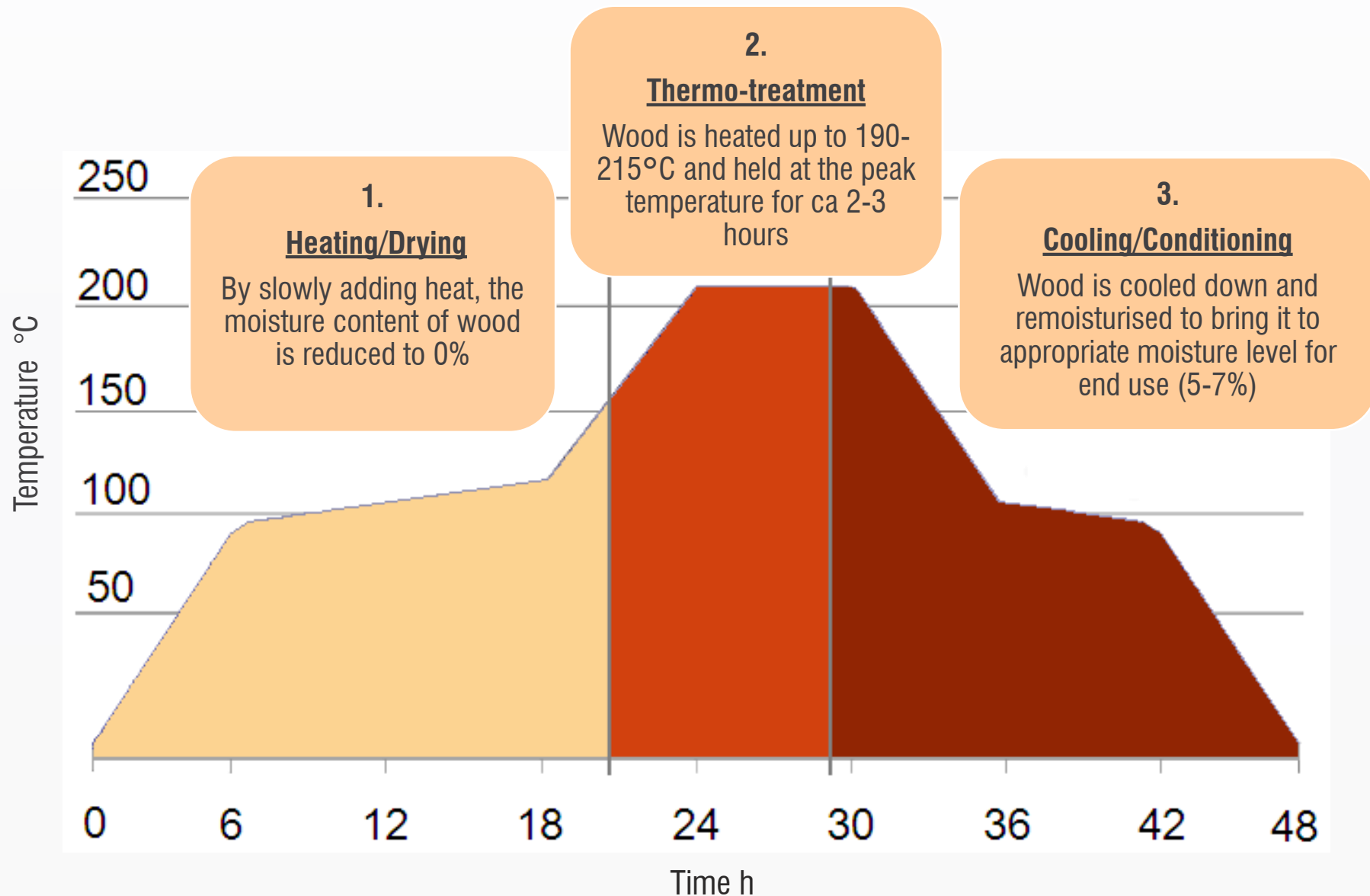
Thermory at work

Located on 7.5 hectares, the Thermory factory is where we store, select, thermally modify, and process 40,000 m³ of lumber a year – mainly ash and softwoods. We use world's leading technologies for thermal modification perfected by Thermory master craftsmen for over 15 years.

Thermory annual production capacity: 50 000 m³



Thermal modification process



Two levels of modification



Medium-modified

Peak temperature 190°C

Species: ash, pecan, birch, aspen, alder

Suitable for only indoor usage,
e.g. flooring, indoor cladding, sauna.

Intense-modified

Peak temperature 215°C

Species: ash, pine, spruce, aspen, alder

Suitable for both indoor and outdoor usage,
e.g. flooring, indoor and outdoor cladding,
decking, fences, sauna etc.

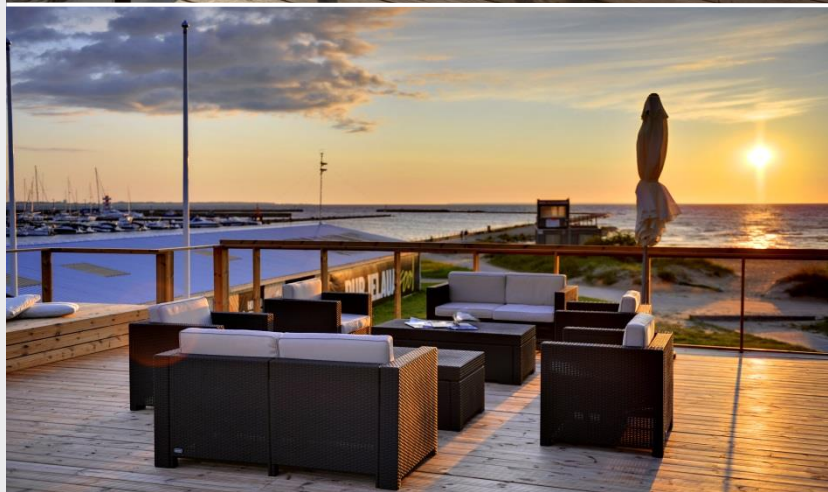
THERMORY DECKING

D4 / D4sg / D4sg2 / D31 / D30 / D30sg / D33 / D34 / D38 / D45J / QuickDeck / ...

Thermo-ash
Karakum



Thermo-pine
Arizona



Thermo-spruce
Sahara



THERMORY CLADDING

C1 / C3 / C5 / C7 / C7J / C4J / C8 / C9 / C11 / ...

Thermo-ash
Dubai



Thermo-pine
Madrid



Clear thermo-pine
Bodrum



THERMORY **FLOORING**

F1 / F2 / F3 / F6 /...

Thermo-ash
Intense: Tango



Thermo-ash
Medium: Salsa



Thermo-pecan
Samba



Industrial thermo-ash

Salsa



Industrial thermo-ash

Tango



Decor thermo-ash

Salsa



Decor thermo-ash

Tango



THERMORY **SAUNA**

STS / STP / PHL /...

Thermo-alder
Honolulu / Cairo



Thermo-aspen
Jakarta / Bangkok



Thermo-magnolia
Rio / Dakar



A group of people are participating in a ropes course in a forest. In the foreground, a person in a red jacket and black shorts is standing on a wooden platform, holding a rope. Next to them, a person in a black t-shirt and khaki pants is also on the platform. In the background, other participants are visible on different parts of the course, including one in a blue jacket and another in a pink shirt. The course consists of various wooden platforms, ropes, and pulleys set up among the trees.

Our team

Our people are united in their enthusiasm for real wood and its benefits. Our team consists of more than 200 people whose shared task and goal is to enrich more lives with the touch of real wood.

The image shows a large exhibition stand for Thermory, a company specializing in wood products. The stand is constructed from dark wood panels. At the top, the words "Decking", "Cladding", and "Porch Flooring" are displayed in a gold-colored font. A large, stylized "T" logo with a red dot is visible on the left side of the stand. The word "THERMORY" is written vertically in large, white, sans-serif capital letters on a black background. To the right, there is a display of wood samples in a gold-colored container. The stand is set up in a large, open hall with a wooden floor. In the background, other exhibition stands and a potted plant are visible.

Find us globally!

Over the last 15 years, we have covered 60,000,000 square meters with real wood products. Our presence is well established in dozens of countries across the world – either directly or through our professional partners who stand for our quality, vision and dream.

Thermory network^o



Our partners in more than 50 countries have advanced our creations over the world. Thermory wood is present in thousands of places across the world: in homes and public spaces, in all different styles of buildings and environments, in high humidity and extreme heat, in cold and in warmth. Our wide product collection meets the needs of hundreds of diverse tastes and styles.



TUSA – Thermory USA / Mark Challinor and Kevin DeMars

**“Thermory is not for everyone,
but for those who appreciate a
distinguished exterior hardwood,
it has no equal.”**

A black and white photograph of a man with glasses and a striped shirt, standing with his hands on his hips in front of a silver car. The background shows a parking lot with several signs, including one for 'いそのホテル' (Isono Hotel) and another for '天然露' (Natural Dew).

Mr. Masahiro Hakamata, Nichika Ltd. (Japan)

“Thermory is the most experienced in thermally modified wood with a wide variety of wood species. In the course of growth, they are still flexible and listen to the voice of customers trying to maintain a good balance between the quality, volume and the price to stay competitive in the world market.”



Odd Paulsen, Managing Director of Moelven Wood Prosjekt AS (Norway)

“Moelven and Thermory have a well established relationship. For us, nothing is more important than a strong and high-quality partnership that is reliable also in the long-term.”



Excellence in Wood

**Thermory offers the best of real wood.
Products which are beautiful, durable, functional and environmentally sound.
The special touch of Thermory's thermal modification improves the properties of real wood
greatly thus making it an excellent choice.**

www.thermory.com



THERMORY
Excellence in Wood