



THERMOWOOD®

# PROTECTED BY NATURE



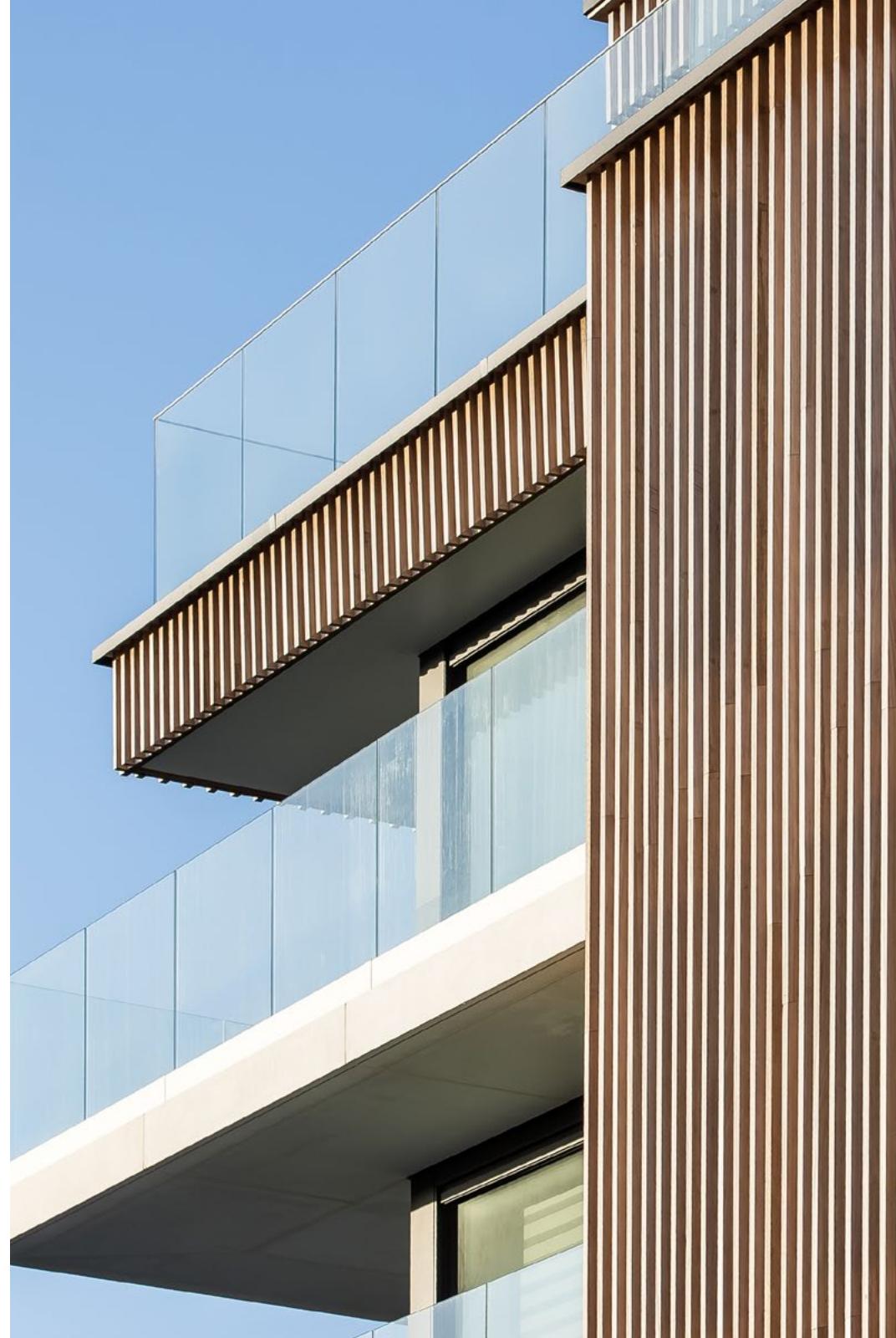
# LDCWOOD® THERMOWOOD®: BELGIAN, SUSTAINABLE, AND HIGH-QUALITY

LDCwood® is the Belgian producer of ThermoWood®. Our process sets the benchmark for all thermal treatments, uniformly with the Finnish process, which is regarded as the gold standard. We submit to three audits a year by a Notified Body to ensure and maintain a high quality. The thermal modifications increase the durability of the timber and improve its quality.



All LDCwood® products are FSC®, PEFC, or OLB certified.  
LDCwood® is a member of the International ThermoWood® Association (ITWA).

FSC® (CO01899), PEFC (PEFC/07-32-24), BSI ISO 14001 Certified  
OLB (OLB-CERT/COC-190606): registration by an independent organization according to the OLB system, which enables the tracking of wood whose origin and legality are certified. Origin and Legality of Wood © Bureau Veritas Certification



# PROTECTED BY NATURE

When you use LDCwood® ThermoWood®, you contribute to protecting nature. You are supporting sustainable forest management and choosing a building material with a low carbon footprint.

Furthermore, LDCwood® ThermoWood® protects us. Whatever the weather conditions, LDCwood® ThermoWood® offers long-term protection from the elements, and demonstrates incredibly high durability.





## 100% NATURAL

The 100% natural production process – without the use of chemicals – improves the quality of the wood until it acquires the same durable properties as tropical hardwood.

## 100% SUSTAINABLE

LDCwood® ThermoWood® is sustainable, dimensionally stable, and resistant to insects. It requires no coating, which makes it a responsible and ecological choice throughout its life cycle.

# FACTS & FIGURES



Scan to  
watch more

6

Our production department has six kilns, which allows us to respond quickly to our customers' demands.

14001

LDCwood® is ISO 14001 certified.

7.5

A single production run of ThermoWood® equals approximately 7,500 litres of water per kiln.

900

Six Tubao buffer tanks collect 900,000 litres of rainwater per year, which is a required component for the production of ThermoWood®.

## DID YOU KNOW...



Watch the video

... only those who are members of the International ThermoWood® Association and treat the timber according to the patented Finnish model can sell their products with the ThermoWood® label? LDCwood® is the only producer in Belgium that is a member of this organisation.

... by choosing LDCwood® ThermoWood® you are helping to ensure the responsible management of the world's forests?

## LEMAHIEU ACADEMY

Over a hundred years of experience carries a lot of professional expertise with it. We at Lemahieu, Lempan, and LDCwood® prefer to retain that knowledge. At the Lemahieu Academy, a team of professionals represents a living database of knowledge.

We want to help customers, construction professionals, and students to grow by transferring our knowledge to them. Trends in the sector, relevant legislation, and

practical cases are set out in personalised workshops and presentations tailored to the target audience.

We also want to use internships, guided tours, and presentations to motivate and support young people and students in their professional development and the start of their careers.

### Want to refresh your knowledge?

Check our website and subscribe to one of the upcoming sessions.  
[www.lemahieuacademy.be](http://www.lemahieuacademy.be)





# ALL NATURAL WOOD

LDCwood® ThermoWood® is a natural wood product that – due to its sustainable properties – is often used for facade cladding or decking.



## Lifespan

- High durability class
- Natural aging/greying process



## Maintenance

- Easy to maintain and process
- Improved dimensional stability



## 100% natural

- Only water and heat
- No chemicals
- Renewable material



## Patented and certified

- Sustainable forest management
- Patented production method
- Registered brand



## Extended service

- Internal fire retardant treatment with Burnblock®
- Finishes: stain, varnish, oil, wax, brushing

# CE-CERTIFIED FIRE RETARDANT TREATMENT

LDCwood® ThermoWood® can be treated with a fire-retardant at the same production site with a fully certified fire retardant performance. The fire retardant product, Burnblock®, is a sustainable solution with 100% natural ingredients and is Cradle-to-Cradle Gold-certified™.



Burnblock® is a 100% natural product and Cradle-to-Cradle™ Gold certified.



No coating is required to ensure the fire reaction class over time.



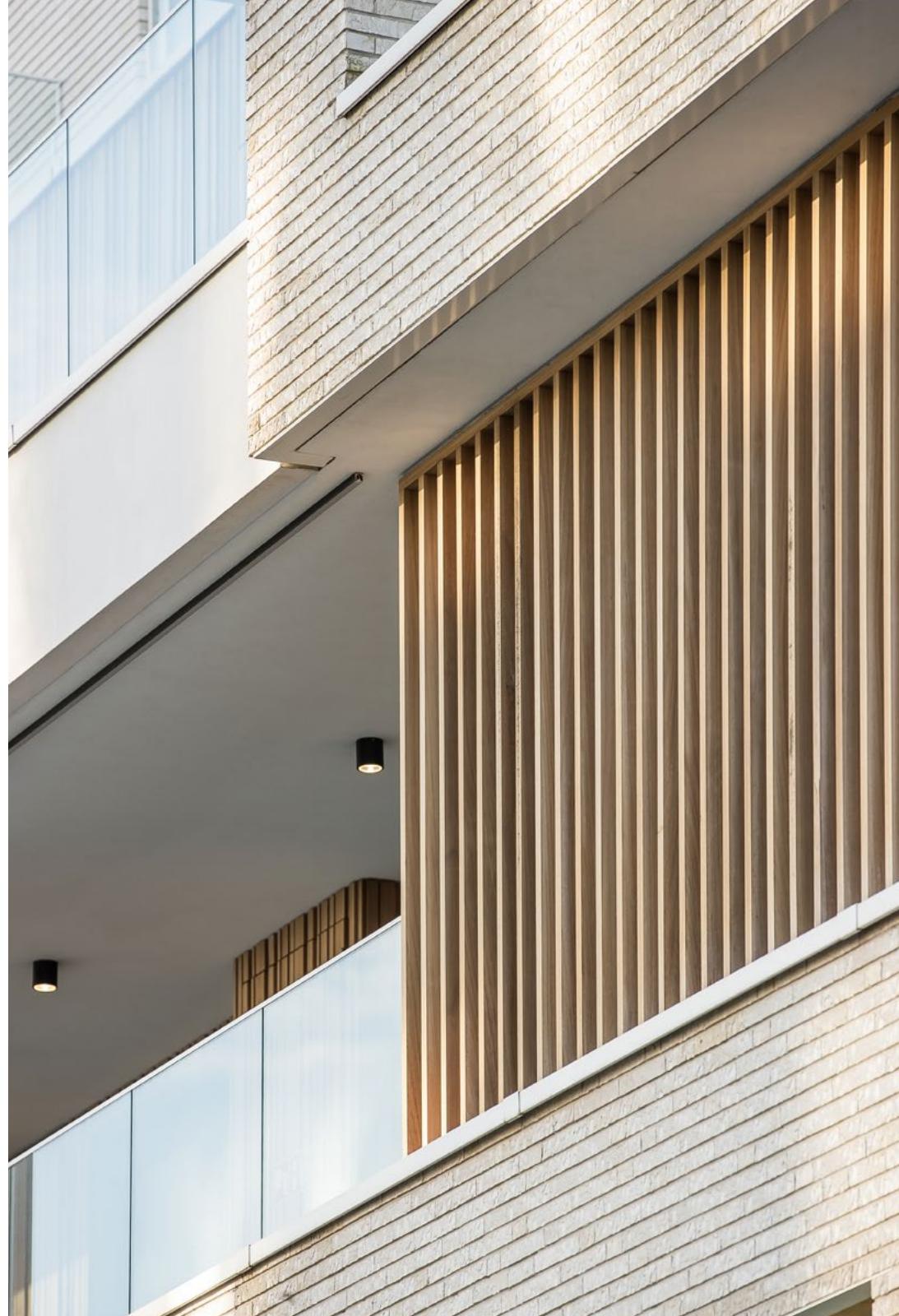
Our treated products are CE-certified.



We guide our clients through the process with expert advice.



BURNBLOCK®



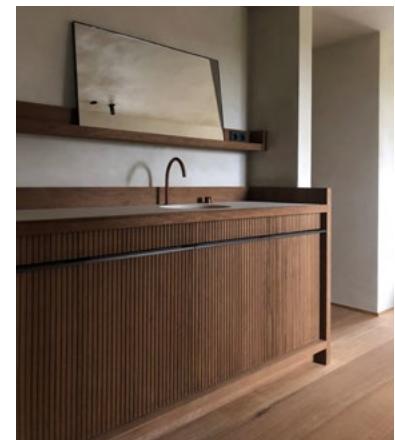
# APPLICATIONS



Cladding



Decking



Interior



Outdoor



# LDCWOOD® THERMOWOOD®

LDCwood® ThermoWood® is resistant to insects and moisture, making it perfect for outdoor applications, such as facade cladding and decking.

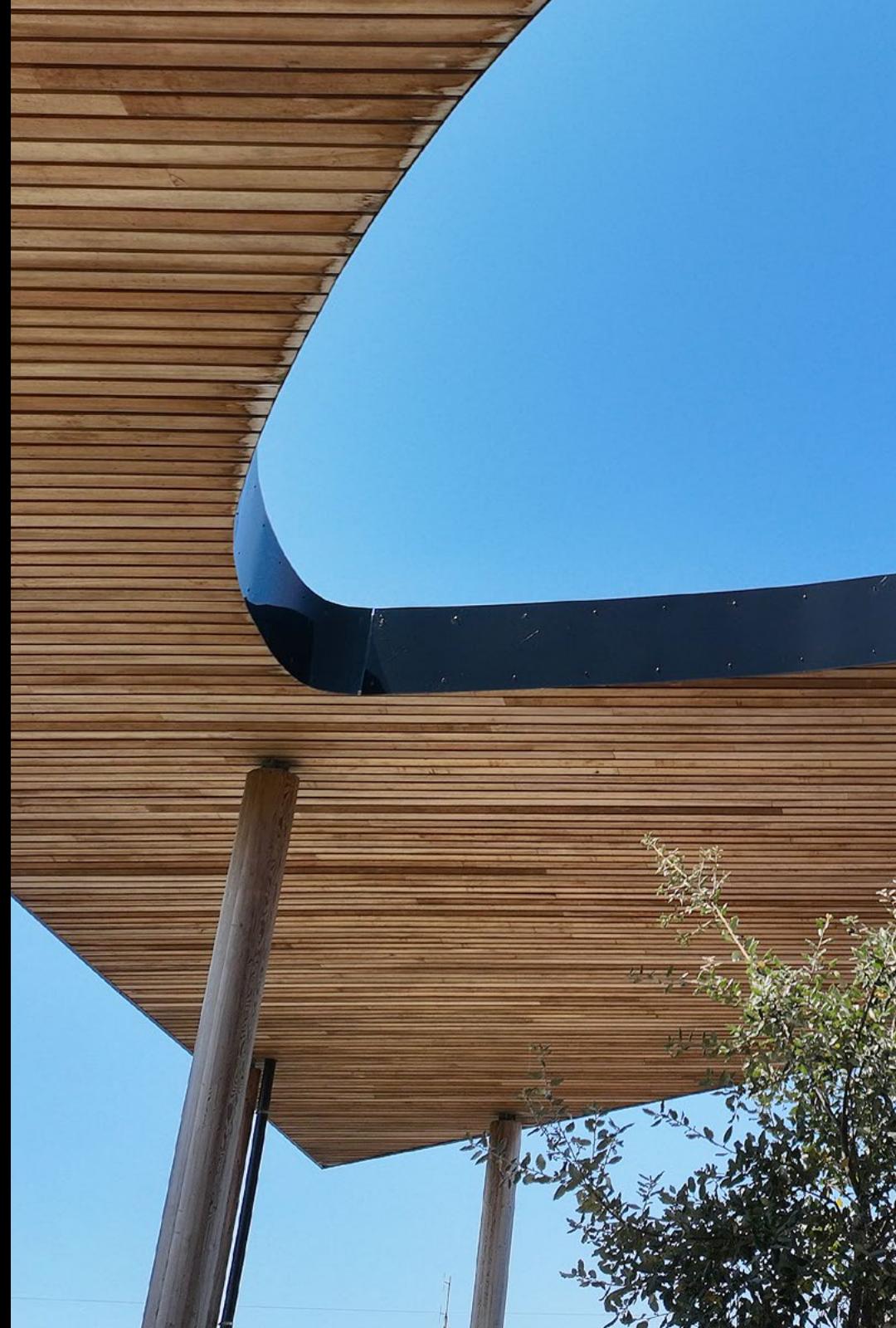
We provide a solution for every need with a wide range of profiles in spruce, pine, ayous, fraké, ash, poplar, radiata pine, and red oak. LDCwood® ThermoWood® can be treated with fire retardants thanks to our close cooperation with Lemahieu Group and Burnblock®.

You are welcome to contact us via [protectedbynature@LDCwood.com](mailto:protectedbynature@LDCwood.com)



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LDCwood® is a member of the International ThermoWood® Association (ITWA).

FSC® (C001899), PEFC (PEFC/07-32-24), BSI ISO 14001 Certified  
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# WOOD TYPES

Durability class I-III



THERMOWOOD®  
ASH



THERMOWOOD®  
POPLAR



THERMOWOOD®  
AYOUS



THERMOWOOD®  
FRAKÉ



THERMOWOOD®  
SPRUCE



THERMOWOOD®  
PINE



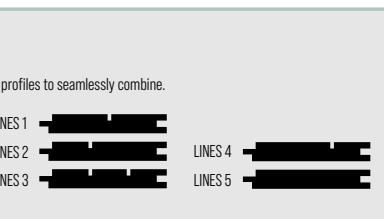
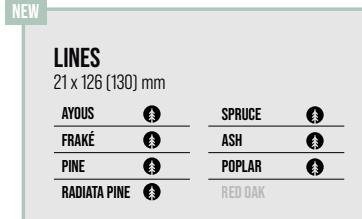
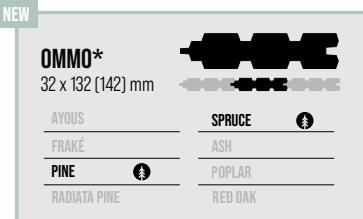
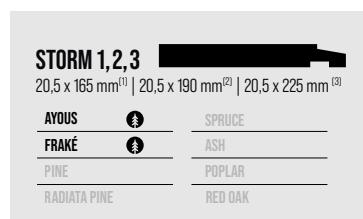
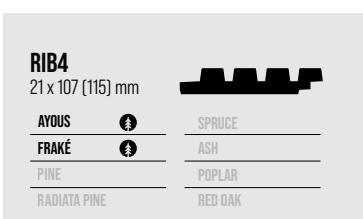
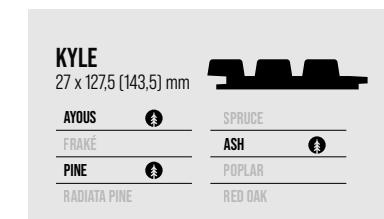
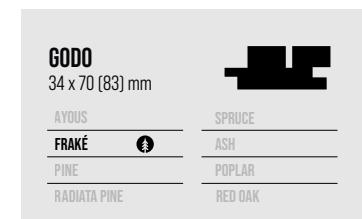
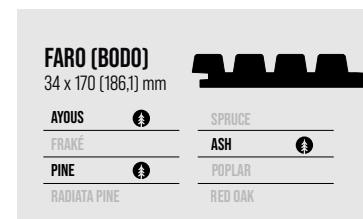
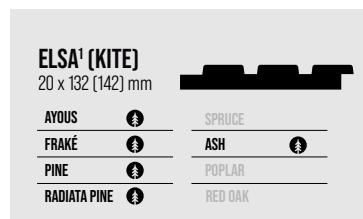
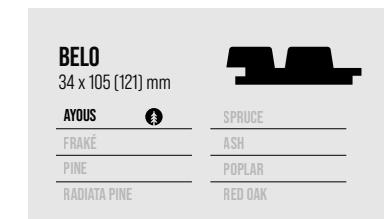
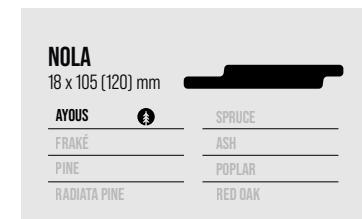
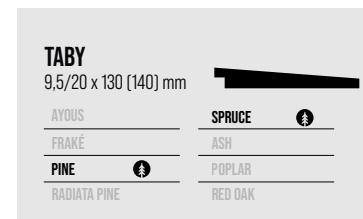
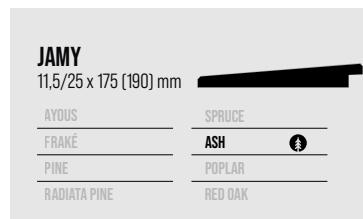
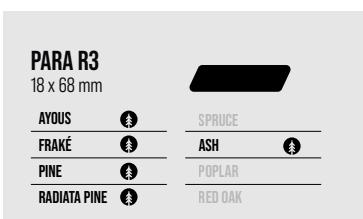
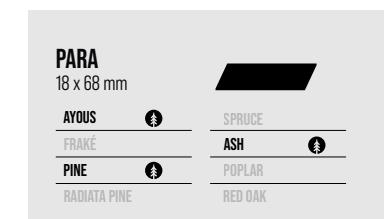
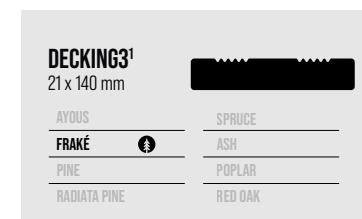
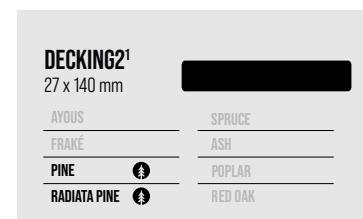
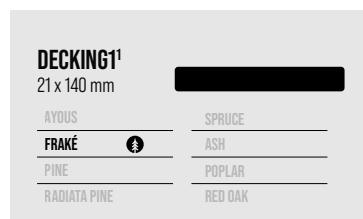
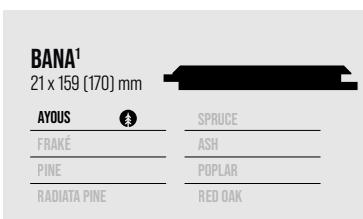
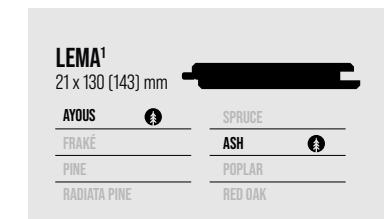
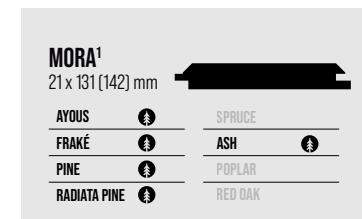
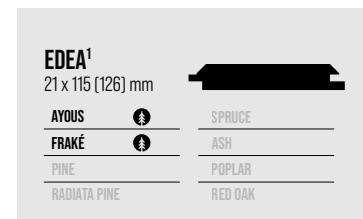
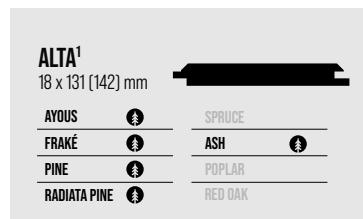
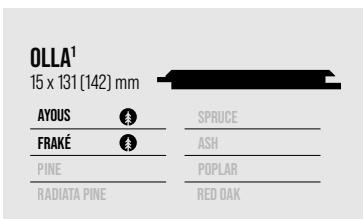
THERMOWOOD®  
RADIATA PINE



THERMOWOOD®  
RED OAK

1 According to Wood.be

2 According to SHR



\*The double-sided profile, perfect for garden walls and partitions.

<sup>1</sup> Can be equipped with tongue and groove on all 4 sides

## HIDDEN FASTENING SYSTEMS

To achieve a homogeneous good looking end result, various hidden fastening systems are available:

### GRAD®

AYOUS	SPRUCE
FRAKÉ	
PINE	
RADIATA PINE	

GRAD-40 (21x 40 mm)	
GRAD-45 (21x 45 mm)	
GRAD-65 (21x 65 mm)	
GRAD-118 (21x 118 mm)	

### B-FIX

21 x 140 mm

AYOUS	SPRUCE
FRAKÉ	
PINE	
RADIATA PINE	

NEW

### B-FIX

27 x 140 mm

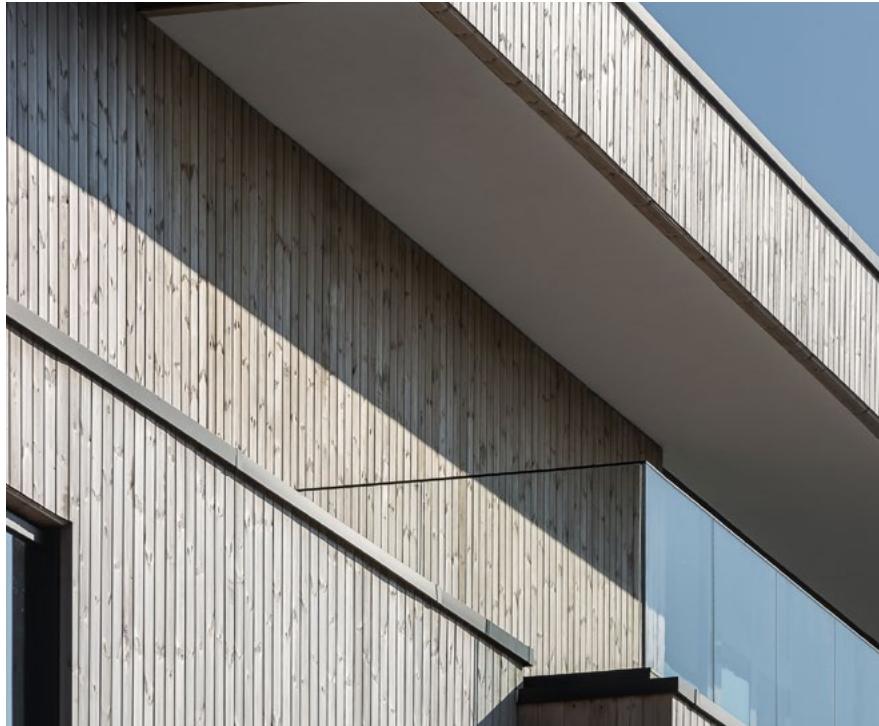
AYOUS	SPRUCE
FRAKÉ	
PINE	
RADIATA PINE	

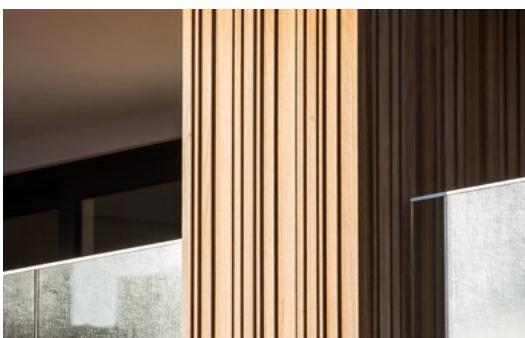
### HARDWOOD CLIP

21 x 140 mm

AYOUS	SPRUCE
FRAKÉ	
PINE	
RADIATA PINE	

Consult the ThermoWood® handbook for detailed installation instructions.





## MAKE YOUR PROJECT STAND OUT

In addition to our standard range of profiles and finishes, we can also provide customization upon request. Wondering what LDCwood® ThermoWood® can do for your projects? Ask for our wood species, patterns and finishings.

### CHOOSE YOUR FINISH COLOUR

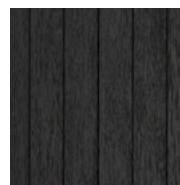
Depending on your project, we'll supply a quality topcoat in the colour of your choice.



Natural



Pre-grey



Black

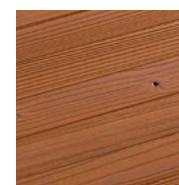


RAL colour

### OPTIONAL : BRUSHING

Brushing ThermoWood® removes the soft wood fibres and creates a rougher surface. This causes the pores of the wood to open up more, allowing the pigment to adhere better and deeper to the wood.

Brushing also offers nice aesthetic added value.  
Brushing also makes the wood more durable.



Brushed



Unbrushed



## **THERMOWOOD®**

Our wide-ranging knowledge, innovative techniques, and sustainable materials cohere to guarantee ecologically sound products for indoors and outdoors. Want more information about LDCwood® ThermoWood®? You are welcome to contact us.

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