



Lunawood ThermoWood®







# Nordic Lunawood ThermoWood®

Lunawood enables innovative and long-lasting use of wood on all decorative surfaces. It is best known for its dimensional stability, durability, and sustainable nature. Lunawood doesn't require surface treatments, which makes it an ecological choice throughout its life cycle. Wherever Lunawood ThermoWood is used, it brings Nordic luxury and a natural feel to the surrounding space.

Lunawood ThermoWood products are thermally modified using only natural methods utilizing heat and steam – no chemicals are used. Our raw materials, Nordic pine and spruce come from close to us, from the well-managed, renewable Nordic forests. We use a patented and third party-audited thermal modification process with a strict quality control process to ensure a long lifecycle of the Lunawood. Our products are designed and manufactured in Finland with more than 20 years of robust professionalism.

Lunawood offers a wide selection of tongue and groove profiles for cladding and paneling, battens for decorative wood structures and surfaces and decking boards with a hidden fixing system.



**Dimensionally stable**  
Significantly improved dimensional stability. Lunawood retains its original shape better than untreated wood.



**Low maintenance**  
Lunawood does not require surface treatment in any climate. When left untreated, it gradually develops a beautiful silver color.



**For all climates**  
Proven to work well even in the most challenging climates. Does not react to changes in humidity.



**Healthy**  
Lunawood on decorative surfaces increases comfort and improves wellbeing. The physiological and psychological effects of wood on humans are undeniable.



**Certified quality**  
Patented non-toxic production method to produce ThermoWood®. Continuous quality control audited by a 3rd party to ensure a long life-cycle.



**Pleasant features**  
A delight to all of the senses: the touch, visibility and scent are sophisticated, yet natural.



**Throughout sustainable**  
Certified Nordic raw material from nearby forests. Lunawood acts as a carbon storage and is 100% recyclable.



**Pure material**  
Truly natural product without any chemicals. No harmful indoor air emissions or resin leakage even at the highest temperatures.



**Nordic**  
Designed and made in Finland. The Nordic approach extends to both architecture and the way we do business.





■ Project Ö, Finland, by Aleksi Hautamäki

## For demanding applications

The weather resistance, dimensional stability, and beautiful appearance of Lunawood make it a viable choice for facades, interiors, landscaping projects and deckings in all climate conditions. What is truly unique about Lunawood Thermo-wood is its suitability both outdoors and indoors. This enables the same wood surface to continue from the outside in and from the inside out.

Due to its toxin-free composition, Lunawood is safe to use. Lunawood does not require surface coatings even in the most challenging climate conditions. It makes Lunawood a truly sustainable choice for decorative surfaces throughout the whole life cycle.

### Delight for all senses

Beautiful and brown-toned Lunawood, with its unique glow, brings nature into an urban space. Lunawood Thermowood stems from Nordic pine and spruce with branches that create beautifully round and butterfly-shaped knots and a unique look. The planed Lunawood products have a silky-smooth surface. Alongside the touch, the visuality and scent of Lunawood Thermowood are sophisticated, yet natural. The porous wood surface does not reflect sound in the same way as hard and artificial materials.

## The natural greying of Lunawood

Thermal modification gives Lunawood a distinctive, unified brown colour. However, like untreated wood, Lunawood will begin to turn grey gradually, due to the effects of the weather when the surface is left untreated. The final shade of grey varies from pure silver grey to more variegated, depending on the ambient UV-radiation and climate. The duration of the greying process also varies and can take years, but the end result is worth it. The greying does not affect the good technical properties of the product, when the product is installed according to the official installation instructions. The weathered Lunawood gives exterior applications an attractive and natural look.

■ Casa A, Portugal, by REM'A arquitectos



## Sustainability – a True Story

Sustainability is at the heart of Lunawood's operations, from the sourcing of raw materials, to 100 % chemical-free Thermo-wood production and to products with a long life cycle. All of this is made possible by a socially responsible corporate culture with an emphasis on safety.

Lunawood's chain-of-custody certification provides independent verified assurance that our certified forest-based material originates from sustainably managed forests. It complements PEFC forest management certification, which ensures that forests are managed in line with challenging environmental, social and economic requirements. In Finland, only 75% of the annual growth is harvested and whenever one tree is cut, four new ones are seeded.

Our trademarked ThermoWood® products are produced using a patented and annually audited process that is supervised by an independent third party. The totally chemical-free modification process makes Thermowood a truly sustainable, durable, stable and naturally beautiful alternative to tropical hardwood on decorative surfaces in all climates.



### From renewable Nordic forests

Our raw material comes from renewable and PEFC-certified Nordic forests located close to our mills in Finland.



### Zero chemicals

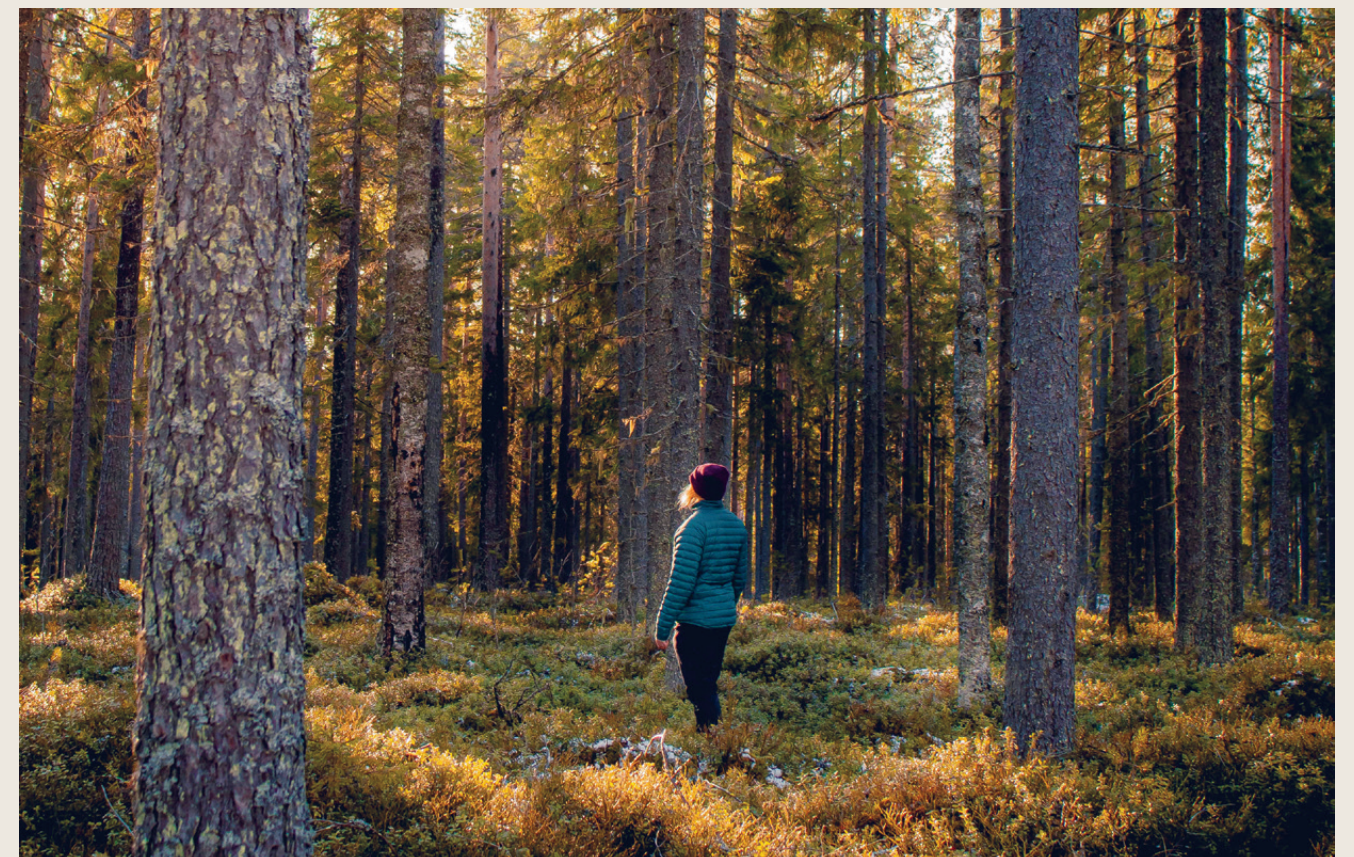
Our patented Thermowood process and products are chemical-free.



### Long-term CO<sub>2</sub> storage

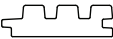
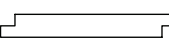


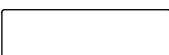
One m<sup>3</sup> of Lunawood stores five times the amount of CO<sub>2</sub> from air compared to the emissions from the production.

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# The most popular profiles

	Product name	Actual dimensions	Species	Length (ft)	ft/sq.ft	Digital Design Tool
	Luna Trio 1x4	1 x 3 <sup>5</sup> / <sub>8</sub>	Pine	10-15	3,63	•
	Luna Triple 2x6	1 1/4 x 5 1/2	Spruce	12-18	2,31	•
	Luna Femma 1x6	1 x 5 <sup>9</sup> / <sub>16</sub>	Spruce	13-18	2,27	•
	Luna TGV 1x6	3/4 x 5 <sup>1</sup> / <sub>2</sub>	Spruce	12-17	2,35	•
	Luna Layer 1x6	3/4 x 5 <sup>9</sup> / <sub>16</sub>	Spruce	12-17	2,31	
	Luna Layer 1x8	3/4 x 7 <sup>3</sup> / <sub>8</sub>	Spruce	12-18	1,69	•
	Luna SHP 2x2	1 <sup>5</sup> / <sub>8</sub> x 1 <sup>5</sup> / <sub>8</sub>	Pine	10/12-16		•
	Luna SHP 2x3	1 <sup>5</sup> / <sub>8</sub> x 2 <sup>11</sup> / <sub>16</sub>	Pine	10/12-14		•
	Luna SHP 2x4	1 <sup>5</sup> / <sub>8</sub> x 3 <sup>5</sup> / <sub>8</sub>	Pine	10/13-18		•
	Luna SHP 2x6	1 <sup>5</sup> / <sub>8</sub> x 5 <sup>1</sup> / <sub>2</sub>	Pine	12-18		•
	Luna SHP Profix 2 2x6	1 x 5 <sup>1</sup> / <sub>2</sub>	Spruce	13-18	2,09 (0,2" GAP)	
	Luna SHP Profix 2 2x6 Brushed	1 x 5 <sup>1</sup> / <sub>2</sub>	Spruce	13-18	2,09 (0,2" GAP)	

# Installation tips

- Always use stainless steel fastenings when installing Lunawood
- Always leave enough space around Lunawood to secure sufficient air ventilation
- Pre-drill the screw holes when mounting is less than 2<sup>3</sup>/<sub>4</sub> from the end of the profile. This avoids the risk of cracks during installation.



■ Luna Layer 1x8 Brushed

# Design Tools for professionals

The properties and sustainable nature of Lunawood inspires architects, designers and builders to create versatile projects around the world, making wooden designs more innovative and sustainable than ever. It is most important for us to support and inspire the professionals to succeed in their work as much as possible. We offer free digital design tools, sample pieces to make it easier to choose and use Lunawood products.

Lunawood’s design tools make it easy to choose the right product. They are available free of charge at [lunawood.com](https://lunawood.com)



**Digital Design Tools**  
With our digital design tools, you can adapt Lunawood products to your own design. Lunawood BIM-objects are available in ArchiCAD and Revit downloads. Lunawood IFC models are platform-free. Our digital library also contains high-quality material images in jpeg format.



**Lunawood Visualizer**  
The Lunawood visualizer is an easy way to test different products online and get confirmation for a product selection. Through the high-quality 3D visualizations, you can see what the profile looks like on a larger surface after installation, and after naturally weathering.



**Sample pieces**  
Lunawood is a product that enchants all of the senses. With the help of our sample pieces, it is possible to experience the product with all of its charming attributes. Order free sample pieces through our website.

■ Private Apartments, Lithuania, by Kap Architects and Paleko Architects Studio  
Photo: Norbert Tukaj







■ Casa A, Portugal, by REM'A arquitectos, Photo: Ivo Tavares

## Reconnecting nature with urban people

Lunawood is a pioneer and global market leader of decorative wood solutions. We love the forest, its untamed freedom, and its incomparable strength. Our mission is to reconnect nature with people in urban environments. We make the soothing effect of the forest available to all.

Our mills in Finland transform the very best Nordic pine and spruce into beautiful and long-lasting Thermowood. It is the ideal foundation and the perfect material for an ecological and healthy way of designing, building, and living.

Lunawood was founded in the year 2001. Today, we employ 140 professionals in Finland, at our production units in Iisalmi, Kaskinen and Joensuu, as well as at our head office in Lahti and in prominent export markets. Our turnover in 2021 was EUR 75 million.

