We refine and transform the wood that is offered us by our source of inspiration; the nature, to unique products which raise your quality of life.

“We add life to places, and value to life.”
Wood is the part of the earth. It completely dissolves in nature and joins in the organic lifecycle without harming the environment. Therefore, the wood that is derived from sustainable forests is one of the most eco-friendly construction materials.

Wood is a renewable resource from the nature. Tantimber, with its innovative production approach, is using the latest Thermowood Technology to refine and redefine the wood to its most stable and durable form.

Tantimber is manufacturing thermally modified cladding and decking products according to International Thermowood Association standards. Our facility is established in Sakarya 2, Industrial Zone on a 10,000 m² area. It has 11,000 m³’s of Thermal Modification production capacity and consequently 420,000 m² of end product volume.

With the updated infrastructure and it’s manufacturing principles according to European Norms CEN/TS 15679, Tantimber provides high valued and durable products. Aiming the best service to it’s clients with specialists in their field.
TANTIMBER PRODUCTION PRINCIPLES

Preferring the world’s top highest and sustainable raw material sources.
Tantimber believes that our planet belongs to human beings and all living creatures. It is the responsibility of everyone and all institutions to take care of the sustainable natural life. Tantimber obtains its raw materials from sustainable forests to protect the natural habitat. Our products don’t leave any harmful substances, and they are a healthy and conscious alternative to petroleum-based wood imitation terrace covering and (WPC, composite) hybrid products that harm creatures and the environment.

Perfectness in physical endurance and esthetics.
Tantimber focuses on providing the maximum durability and stability expected from the product during the production phase. In the meantime, by evaluating the current esthetic trends in accordance with the request of the customer, it gives importance to design in all products with visual dimension. The quality and esthetic values of the products are indispensable for Tantimber.

Innovativeness
By following the world wood processing industry and the architectural orientation closely, Tantimber catches up with the new technology era and brings the solutions to production agenda. By doing so, it takes the customer’s suggestions, expectations, and feedback into consideration.

Naturality
Tantimber products are completely natural. From raw materials procurement to the occurrence of the final product, no chemical is used at any stage of the process. The wood protects its naturality with Tantimber Thermowood processing technology, by being removed from resin, increasing its biological life as well as dimensional stability, minimizing the effects of humidity and consequently eliminates the rotting behavior.
Wood Before Drying
The wood contains H₂O and OH hydroxyl groups by its nature.

Conventional Drying
Conventional drying technic removes the free water (H₂O) inside the wood out of the cell.

Thermowood Process
During the thermowood process (180-212°C), we take hydroxyl groups out of the wood, prevent the moisture exchange and minimize the swelling and shrinking of the wood.
**THERMOWOOD PROCESS**

Thermowood - Thermally Modified Timber (TMT) is the process of minimizing dehumidification and deformation behavior by increasing the internal temperature of the wood above 200°C. As a result of the decomposition of relative humidity in the wood, the products become permanently resistant to fungi and decay. They also reach maximum durability against climatic forces.

Thermally modified wood does not produce harmful organisms like fungi and it does not bend or contract. Also, it is not adversely affected by seasonal conditions. By decomposing the relative humidity in the wood, thermowood products become more durable to humidity, more resistant to decay and external weather conditions.

Tantimber applies the advanced processing steps in the thermal modification process and production phase, which are defined as high-quality standards. Tantimber products are produced according to European technical norms (CEN/TS 15679), and they take part in the first and second class in terms of durability classes (EN 350-2, EN 355).

Tantimber’s thermowood process is a natural process in which no chemical substance is used at any stage. The products are completely eco-friendly and recyclable. They do not contain any harmful substance.

Tantimber is a member of International Thermowood Association (ITWA).
<table>
<thead>
<tr>
<th>DURABILITY LEVEL</th>
<th>Class 1 Very Durable</th>
<th>Class 2 Durable</th>
<th>Class 3 Moderately Durable</th>
<th>Class 4 Slightly Durable</th>
<th>Class 5 Not Durable</th>
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</thead>
<tbody>
<tr>
<td>TIME PERIOD</td>
<td>25 Years +</td>
<td>15 to 25 Years</td>
<td>10 to 15 Years</td>
<td>5 to 10 Years</td>
<td>Less than 5 years</td>
</tr>
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<td>WOOD SPECIES</td>
<td><strong>Thermowood Ash</strong></td>
<td><strong>Thermowood Pine</strong></td>
<td>White Oak</td>
<td>Limba</td>
<td>Aspen</td>
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<td></td>
<td><strong>Thermowood Iroko</strong></td>
<td><strong>Thermowood Poplar</strong></td>
<td>Plantation Teak</td>
<td>Red Oak</td>
<td>Ash</td>
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<tr>
<td></td>
<td>Teak</td>
<td><strong>Thermowood Ayous</strong></td>
<td>Siberian Larch</td>
<td>Spruce</td>
<td>Poplar</td>
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<td>Merbau</td>
<td>Mavingue</td>
<td>Tulipwood</td>
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<td>Outdoor</td>
<td>Indoor</td>
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<tr>
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<td>Without Ground Contact</td>
<td>Dry</td>
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<tr>
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<td>Frequently Wet</td>
<td>Rarely Wet</td>
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</tr>
<tr>
<td></td>
<td>Always Wet</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
**BIOLOGICAL DURABILITY**

Thermowood - Thermally Modified Wood (TMT) offers many advantages comparing to other wood species that became products by conventional drying methods.

Due to thermowood process, with the help of high heat, we remove the water inside the wood, balance the moisture exchange, minimize the operation of products and increase the biological life cycle to 25 years and above. During all these processes no chemical is used, and the wood is decontaminated from all inherent negative characteristics.

Tantimber Thermowood products can be safely used in all weather conditions and difficult area of use.

Tantimber is a member of International Thermowood Association. We produce according to European technical norms (CEN/TS 15679) and EN 350-2. Depending on the tree species, the wood that we work on with thermal modification takes part in the first and second class in terms of durability.
OUR PRODUCT RANGE
OUR PRODUCT RANGE

In Tantimber product range; deckings, claddings, louvers, laminated beams, pergolas, engineered floorings, solid floorings, laid parquet, and decorative wall coverings are available.

Our products are used in many areas such as; indoor and outdoor areas; pools, landscaping, gardens, public spaces, restaurants, window scantlings, posts, interior decorations etc.
PRODUCTS
TANTIMBER
DECKING
TANTIMBER DECKING

Tantimber decking products are suitable for outdoor and wet area floor coverings. They also have a wide range of thickness, width and profile options.

In the belief that, the right product is produced with the right raw material, we offer Tantimber decking products with the top quality samples of different tree species originating from sustainable forests. Tantimber decking products are modern, long-lasting and functional building solutions addressing different architectural aesthetics.

We add a long-lasting, high-performance aesthetic dimension to terraces, gardens, bathrooms, walkways and landscape architecture with the decking solutions we produce from raw materials of the ash, pine, and iroko species.
ASH DECKING

With our Tantimber Ash decking products, we offer many different opportunities in terms of thickness and width possibilities.

Due to the variety of our product range, Thermowood Ash products provide ease of application and superior results in many areas requiring intensive pedestrian circulation such as pool sides, public spaces and garden floorings.

As the best substitute to tree species provided from tropical forests, and provided from sustainable North American forests, our ash decking products make a contribution to the protection of the environment and ecological life.

Our Tantimber Thermowood Ash decking products take part in the first class according to European Technical Norms in terms of durability, and have minimum 25 years longevity. In addition, they provide ease of use with many practical solutions both in terms of assembly and maintenance.

**Origin**  North America

**Botanical Name**  Fraxinus Americana

**Biological Life:** Minimum 25 years

**Durability Class**  1
IROKO DECKING

Our Tantimber Iroko decking products show excellent performance in all areas including severe climatic conditions.

Iroko decking products which are produced from the top quality raw materials are suitable for every area of usage. They also provide an aesthetic appearance with their light color.

With Thermowood process we minimize the bending and swelling characteristics of the iroko specie. We homogenize the inherent extreme color differences and provide visual harmony.

Due to their superior durability, our Iroko deck products are a substitute for endangered teak tree products.

Tantimber Thermowood Iroko decking products take part in the first class according to European Technical Norms in terms of durability, and have minimum 25 years longevity.

**Origin**  Cameroon

**Botanical Name**  Milicia Excelsa (Chlorophora Excelsa)

**Biological Life**  Minimum 25 years

**Durability Class**  1
Our Tantimber Pine decking products are produced from Scandinavian pine trees. With its knotty structure, it is the preference of those who love the naturalness of wood.

Pine decking products are produced from special cut pine trees, and they are suitable for many areas of usage such as poolsides, terraces, balconies, and pier constructions. We also offer a wide range of thickness and width possibilities.

Tantimber Thermowood Pine decking products take part in the Class-2 according to European Technical Norms in terms of durability, and they provide 15-25 years durability.

**Origin**  Finland

**Botanical Name**  Pinus Sylvestris

**Biological Life**  15-25 years

**Durability Class**  2
## DECKING DIMENSIONS

<table>
<thead>
<tr>
<th>Specie</th>
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<th>Length (mm)</th>
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<tr>
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<td>21</td>
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<td></td>
<td>42</td>
<td>130/140/150/200</td>
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<tr>
<td>Iroko</td>
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<td>90/120</td>
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<td>40</td>
<td>90/120</td>
<td></td>
</tr>
<tr>
<td>Pine</td>
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<td>92/117/138</td>
<td>1800-5100</td>
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<td></td>
<td>42</td>
<td>92/135</td>
<td></td>
</tr>
<tr>
<td>Teak</td>
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### Decking Profiles

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<th>Smooth</th>
<th>Smooth Clips</th>
<th>Smooth Tantak</th>
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<td>Groove Clips</td>
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<tr>
<td>Antislip</td>
<td>Antislip Clips</td>
<td>Antislip Tantak</td>
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<tr>
<td>Marine</td>
<td>Ada</td>
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</table>
PRODUCTS
TANTIMBER
CLADDING
TANTIMBER CLADDING

Besides having a high aesthetic appearance, Tantimber Thermowood claddings add value to structures with their high-level durability. Due to their breathable, natural and healthy texture, they also provide thermal insulation.

Thermally modified claddings are the most durable wood products to external weather conditions. They can also be used as a decorative tool in many architectural solutions as the main or complementary cladding coverings.

We offer our Tantimber claddings from many different wood species such as ash, pine, poplar, iroko and ayous with many profiles and dimensional alternatives that you can choose according to your needs. We produce many solutions in terms of horizontal and vertical usage with the special cladding profiles we create according to different thicknesses.
ASH CLADDING

Being totally knotless, the ash has a superior visual appearance due to its color and grain structure on the surface. Tantimber Thermowood Ash cladding products have a unique structure, and they it’s the best alternative to feel the texture of the wood.

Our ash cladding products take part in the Class-1 according to European Technical Norms in terms of durability and depending on the climate conditions they offer a service life of 60 years.

**Origin**  North America

**Botanical Name**  Fraxinus Americana

**Biological Life**  Minimum 25 years

**Durability Class**  1
PINE CLADDING

The products provided in pine are easy to process. Due to their low density, they provide ease of handling and installation. Our pine cladding products have a knotty texture, and they are provided from Scandinavian forests.

They are economical, and as a result of the Thermowood process, Tantimber Pine claddings become more durable and long-lasting.

Our pine cladding products can be used both in the horizontal and vertical direction. They are mostly preferred as sunshades and folding shutters except the traditional use of claddings.

Origin  Finland

Botanical Name  Pinus Sylvestris

Biological Life  Minimum 15-25 years

Durability Class  2
POPLAR CLADDING
Our poplar cladding products are provided from poplar trees in North American sustainable forests. It is most preferred for its unique texture that gives life to the wood. Tantimber Thermowood Poplar claddings, with their durable structures, offer a durable cladding alternative to those who seek the aesthetics of poplar wood specie.

Although it’s a hardwood product thanks to it’s light gravity and it’s plain texture, our poplar claddings offer a long service life and ease of implementation with many different application methods.

Origin  North America
Botanical Name  Liriodendron Tulipifera
Biological Life  15-25 years
Durability Class  2
IROKO CLADDING

Iroko tree has a long inherent biological life. After Tantimber Thermal Modification process, the iroko claddings provide an excellent aesthetics visuality and durability in outdoor use.

With Thermowood process, we totally minimize the swelling and shrinking characteristics of the iroko specie. We homogenize the inherent extreme color differences and provide visual harmony.

Due to their superior durability and visuality, Tantimber Thermowood Iroko claddings are a substitute for endangered teak tree products.

**Origin**  Cameroon

**Botanical Name**  Milicia Excelsa (Chlorophora Excelsa)

**Biological Life**  Minimum 25 years

**Durability Class**  1
AYOUS CLADDING

The ayous specie which is provided from sustainable wood species in Africa becomes a plain, durable and an elegant texture after the thermal modification process.

Due to its easy processable structure and its lightness, our ayous claddings are mostly preferred in cladding applications. Also, it’s a perfect match for applications on claddings where Tantimber Iroko deckings have been choosen for; due to it’s similar colour and structure. Like our other products, due to the low moisture exchange, ayous claddings provide maximum durability even in severe climate conditions.

With its knotless texture, ayous cladding brings simplicity and classiness to your living spaces.

**Origin**  Cameroon

**Botanical Name**  Triplochiton Scleroxylon

**Biological Life**  15-25 years

**Durability Class**  2
<table>
<thead>
<tr>
<th>PROFILE</th>
<th>SPECIE</th>
<th>THICKNESS (mm)</th>
<th>WIDTH (mm)</th>
<th>LENGTH (mm)</th>
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<tr>
<td>Standart</td>
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<td>20</td>
<td>92/117/130/150/160</td>
<td>1500-4200</td>
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<tr>
<td>Aura</td>
<td>Ash</td>
<td>25</td>
<td>130/150</td>
<td>1500-4200</td>
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<td>Rombus</td>
<td>Iroko</td>
<td>20</td>
<td>92/120</td>
<td>1000-3000</td>
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<tr>
<td>Standart</td>
<td>Ayous</td>
<td>20</td>
<td>90/135</td>
<td>1500-4200</td>
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<td>Standart</td>
<td>Pine Royal Grade</td>
<td>19/20</td>
<td>92/117/138</td>
<td>1800-5100</td>
</tr>
<tr>
<td>Aura</td>
<td>Pine Royal Grade</td>
<td>26/21</td>
<td>138</td>
<td>1800-5100</td>
</tr>
<tr>
<td>Rombus</td>
<td>Pine Royal Grade</td>
<td>26/21</td>
<td>45/65/92/138</td>
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</tr>
<tr>
<td>Standart</td>
<td>Poplar</td>
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<tr>
<td>Rombus</td>
<td>Poplar</td>
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<td>Standart</td>
<td>Pine Clear Grade</td>
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CLADDING PROFILES

Arya  Viola  Vera
Aura  Sara  Nisa
Rombo  Rombus  Rombo Tantak
Shiplap  Zizza  Zizza Tantak
Palma  Edge  Edge Tantak
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<td><strong>Thermowood</strong></td>
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<td>26</td>
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<td><strong>Thermowood</strong></td>
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TANTIMBER THERMOWOOD UNDERCONSTRUCTION

Quality and durability in the choice of deckings and claddings are directly proportional to the choice of the right base construction material. Tantimber Thermowood Underconstruction products provide a strong basis for the application area. Our Thermowood processed ash and pine underconstruction products offer the best solution to your applications in different sizes.

With their durability and dimensional stability, our products eliminate the problems such as bending, as they work in the same way with Thermowood decking and claddings.
TANTIMBER TANTAK CLIPS

We offer Tantimber Tantak Clips which add a different dimension to applications and provide installation, maintenance, alteration, and application advantages. Tantak clipsing is the process of fixing the product only by attaching them to the clips, after assembling the clips to frames. It is a process that can be used for deckings, cladding, louvers or any ceiling application.

Nowadays we can prevent the wrong applications that spoil the visuality by using clips on claddings or on the ground. Tantak Clips also allows easy material change due to possible breaks as a result of long-term use. In this way, we prevent the revision of the entire area when only a regional change is needed.

Due to the structure of Tantak system, 5 mm space is left between the underconstruction and decking/cladding products. In this way, we prevent the continuous contact of the woods and preclude the moisture accumulation. By doing so, continuous air circulation is provided to increase the durability of the wood.

Tantak Clips system is an innovative product which is under the international patent system by Grad Concept and its production and distribution rights in our country belong to Tanwood Orman Ürünleri San. Tic. A.Ş.
TANTIMBER CLIPS
Tantimber Clips are produced from polypropylene plastic (PP) and they are a good alternative for those who do not want a face mounted application. With Tantimber Clips the spaces between deck applications are adjusted equally to provide a correct application. Tantimber Clips are suitable to use in every weather conditions.
LAMINATION & FINGERJOINT

Due to the finger joint process, during Tantimber ash underconstruction manufacturing, we provide products composed of short pieces that are connected with glue as one-piece products which are produced up to 6.00 m long.

With different thickness options, we offer products in special sizes by laminating solid parts or finger-jointed parts according to your needs. We connect our solution-oriented production with high technology and innovation, by doing so we use long-lasting melamine urea formaldehyde (MUF) which is very durable to external weather conditions during the lamination and fingerjoint process.
**END-MATCHING**

Due to end-matching, in the application of Tantimber Thermowood deck and claddings which are produced in different sizes as 300 mm and multiples, the amount of waste is reduced. The end-matching process also secures the ends of the material and gives the advantage of getting maximum efficiency from the products.
MAINTENANCE
Comparing to many industrial products, the wood is a maintainable material, and it is an important value in terms of both economic aspects and environmental protection. A maintenance of the material is proof of the long lifespan of the product. Buying a new product instead of the damaged one or removing the old product and replacing it with a new one is quite costly. Therefore, in terms of economic aspects, the maintainable characteristic of the wood is undoubtedly a superior feature comparing to other materials.

As Tantimber, while increasing the durability and stability of our products, we provide ease of maintenance by minimizing the operation of the wood. Because the maintenance need of our products will be only due to color fading, an easy maintenance process is provided. Our Thermowood products maintain their freshness with a simple care process even after years.

We add a new dimension with our distinctive touch to the wood which brings coziness, nobility, naturality, and peace to places for many centuries.

Our six-side oiled products are offered to our customers, to retard color fading, to reduce the application process to a minimum and to increase the assembly speed. Also with this process, deck and cladding products become resistant to UV light effects.
DECORATIVE INTERIOR WALL COVERINGS

We combine the naturality of wood with imagination and aesthetics, and we bring our decorative interior wall coverings to your living spaces.

With their cozy and three-dimensional image, our wall coverings which are produced from different tree species, become an integral part of your life and add value to your living spaces. Due to their esthetics appearance, design options and ease of application, they are suitable to be used behind your TV unit, as a bedhead, as fine detail in your furniture or on the back wall of a hotel lobby.
TANTIMBER ENGINEERED FLOORING

Due to their high durability, rich color, and design options, our engineered floorings are a good solution for offices, restaurants, hotels, plazas, and housing.

The raw materials are provided from the most valuable oak trees of Croatia and they become modern, high strength building products by going through a sensitive production process in our facility.

Tantimber Engineered Floorings offer different surface options like lacquered, oiled, brushed and hand scraped. They also have different dimension alternatives in 120 mm / 150 mm / 190 mm / 205 mm / 225 mm / 255 mm widths. Our engineered floorings offer the unique naturality of the wood for different application areas (floor heating etc.). They are the long lasting and esthetic floor covering solution for your living spaces.

From the Herringbone and Chevron pattern to different visual preferences, Tantimber Laminated Floorings complement the design concept successfully with its different design alternatives.
Tantimber Solid Floorings bring the beautiful naturality of sustainable forests from Slavonia region, where the most quality oak trees grow in Croatia and Hungary.

Besides our durable solid floorings that are made of ash and iroko species, we also make difference in floors with solid floorings manufactures from oak with its authentic texture.

With rich design alternatives, our high-quality Tantimber Solid Floorings which are controlled by wood experts at every stage of the process, redefine the dimensional standards.

Besides Tantimber solid and raw floorings, we also offer ready oiled and lacquered flooring alternatives that don’t need to be surface treated again.

With several design concepts; the Herringbone and Chevron alternatives, Tantimber Solid Floorings give freedom of choice to designers and place owners according to their imagination.

Tantimber Solid Floorings are available in different widths and thicknesses such as; 15 mm, 20 mm and 27 mm. They also have a wide variety of sizes up to 400 mm width and 5000 mm length.
The history of Laid Floorings (Marquetry parquet) dates back to the 1300’s. This floor covering is created with the purpose of responding to design demands. It is an inlaid pattern work formed by combining small pieces of colored wood on flooring.

Tantimber Marquetry Floorings are produced according to design preferences to make your dreams come true.

With Tantimber Laid Floorings, we bring the historical patterns and texture to your living spaces by combining traditional woodworking with modern technology.
TANTIMBER LAMINATED BEAMS
“Otto Graf Institute Approved Quality”

Wood and masonry construction have been the basis of housing for centuries. In history, wooden structures were mostly used in earthquake zones. Tantimber Laminated Beams are produced from the spruce tree according to European standards and they are imported from Austria. Besides laminated beams, roof components that require column and load bearing are also available in lengths up to 13 m’s.

Tantimber Laminated Beams have widths between 60-260 mm / 20 mm and thicknesses between 120-1280 mm / 40 mm and multiples. In accordance with your request, Tantimber laminated beams are also available with tongue and groove and ready for installation.

The thicknesses have increments of 40 mm. (120-1280 mm)

Width increments are 20 mm from 60 to 260 mm
# Tantimber Lumber Dimensions

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<th>SPECIE</th>
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<th>LENGTH (mm)</th>
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</table>
TANTIMBER LUMBER

Semi-finished Lumber varieties are also available in our product range. In addition to the National Hardwood Lumber Association’s (NHLA) quality standards, we apply 6 stage quality control process to production and offer you the best products in our facility.

In addition to standard lumber dimensions, Tantimber can produce specific measurements on customers demands. It also offers you pre-molded, one face clean, all defects eliminated and ready to be profiled products from its Thermally Modified Wood options.
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INTERNATIONAL ThermoWood ASSOCIATION

TanTIMBER