



i-WOOD
novathermowood®

i-WOOD
THERMOWOOD
COLLECTION

_cladding
_sunshade & pergola
_ceiling systems
_decking
_alternative uses

Η εταιρία μας παράγει όλα τα thermowood υπό την επωνυμία nova. Όλη μας η συλλογή extewood περιλαμβάνει τα θερμικά επεξεργασμένα ξύλα nova thermowood.

Our company produces all ThermoWood products under the Nova brand. Our entire Extewood collection features Nova ThermoWood—thermally modified wood designed for superior durability, stability, and performance.



Wood is one of the oldest building materials, used for thousands of years. Novawood is a leader in the production of heat-treated wood and brings a new perspective to the use of wood with an environmentally friendly and aesthetic perspective.

Novawood Technology is a perfect combination of nature and innovation. It offers technical solutions designed with high-processing methodology and special recipes. This process, which includes high temperature drying, heat treatment and cooling steps, increases the performance of the wood, making it suitable for various applications.

As the increase in world population causes the demand for wood to exceed natural forest resources, Novawood Technology provides an environmentally friendly solution through its sustainable, rot-resistant, and long-lasting wood products, helping to curtail excess consumption and contributing to nature conservation.

Forest Stewardship Council (FSC) and PEFC-certified woods ensure sustainable resources. These certified products are suitable for use in various green building rating systems, serving as attestations to Novawood's environmental efficacy.

Novawood focuses on reducing its ecological footprint by using Environmental Product Declarations (EPDs) for its heat-treated wood products. This sustainability commitment emphasises carbon storage and promotes environmental awareness..

Novawood ensures top safety standards by enhancing wood fire resistance through the Burnblock process. This process which applies with the vacuum-pressure impregnation method, provides long-term fire resistance, deeply protecting the wood.

Novawood seamlessly blends aesthetics and sustainability, establishing wood as an essential material in contemporary construction projects. With environmentally compatible and durable products, Novawood is poised to influence future construction trends.



Novawood adheres to the International Thermowood Process Dynamics (Cen/Ts 15679) in its production and holds the distinction of being the longest-standing global partner of the international Thermowood Association.



The EPD certificate marks a significant stride towards an environmentally friendly and sustainable production approach. All Novawood products are included in the green product declaration program required for green-certified and environmentally friendly buildings. It is the most valid and required certification program globally for both low carbon emissions and transparent production.



The Forest Stewardship Council™ (FSC™) is a global, not-for-profit organization dedicated to the promotion of responsible forest management worldwide. FSC defines standards based on agreed principles for responsible forest stewardship that are supported by environmental, social, and economic stakeholders.



Programme for the Endorsement of Forest Certification offers independently verified assurance that our forest-based products come from sustainably managed forests. It reinforces our commitment to rigorous environmental, social, and economic standards.



Our commitment to sustainability is demonstrated through ISO 14001:2015 certification, ensuring our products meet international environmental management standards. By choosing our ISO-certified products, you're not just investing in quality; you're also endorsing environmentally friendly and responsible production.



It confirms that all requirements of the quality program (Quality Mark TMT) are fulfilled.



Burnblock, applied to Novawood products using the vacuum-pressure impregnation system, developed as an environmentally friendly and ecological technology, certifies our products in the highest fire resistance class. This ensures Novawood provides 100% environmentally friendly and fire-safe wood products for your living spaces.



The FC inspection certificate affirms that our company's Thermowood production facilities and factory operate in compliance with international production standards.



An international standard guiding water footprint assessments, it ensures responsible water management across our product lifecycle— from raw material sourcing to production and distribution.



An international standard guiding carbon footprint assessments, it ensures responsible carbon management across our product lifecycle— from raw material sourcing to production and distribution.



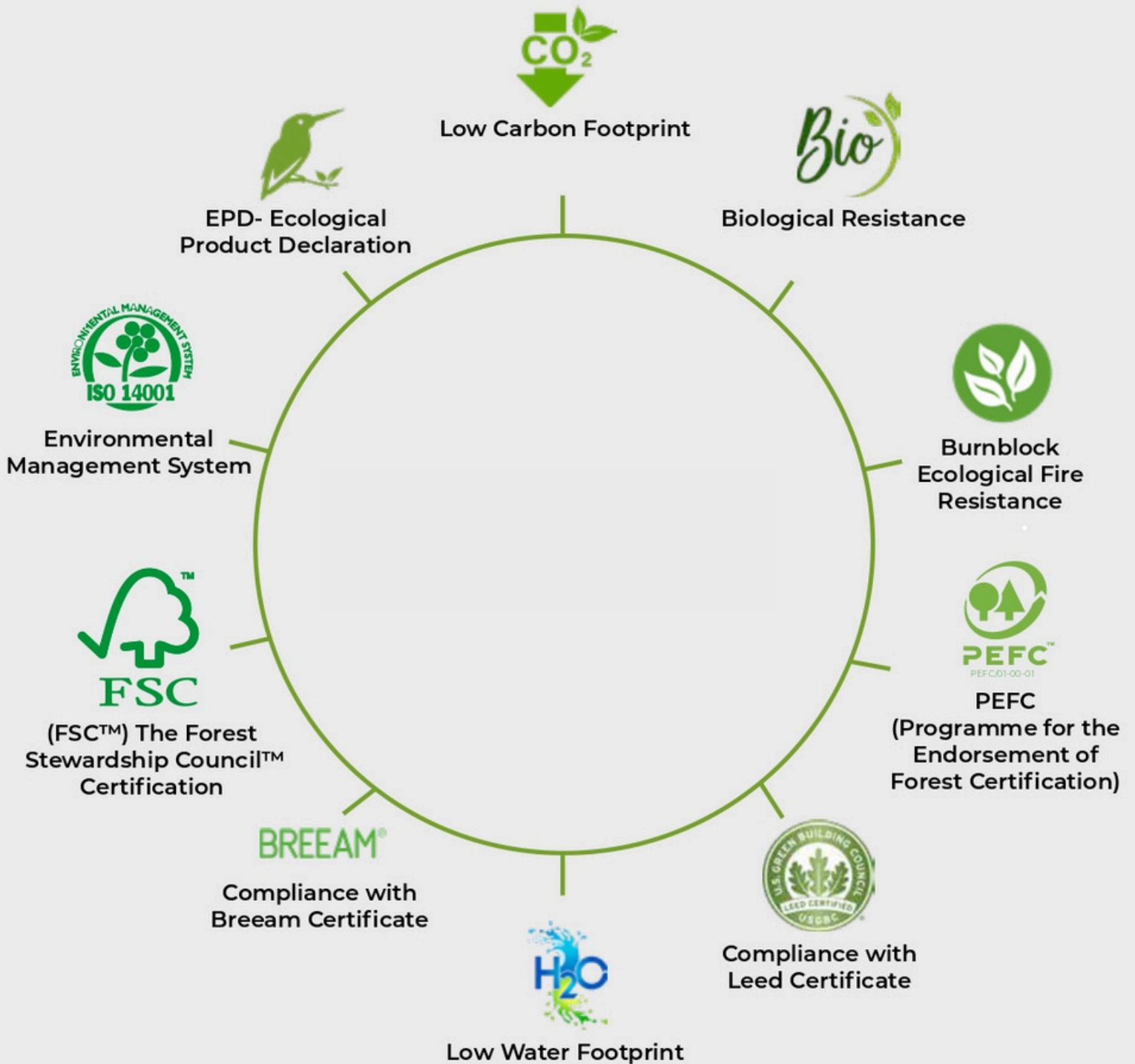
This certificate confirms that Novawood's activities and productions are in accordance with Turkish standards as well as showing that the production place of certified products meets the requirements of the institute.

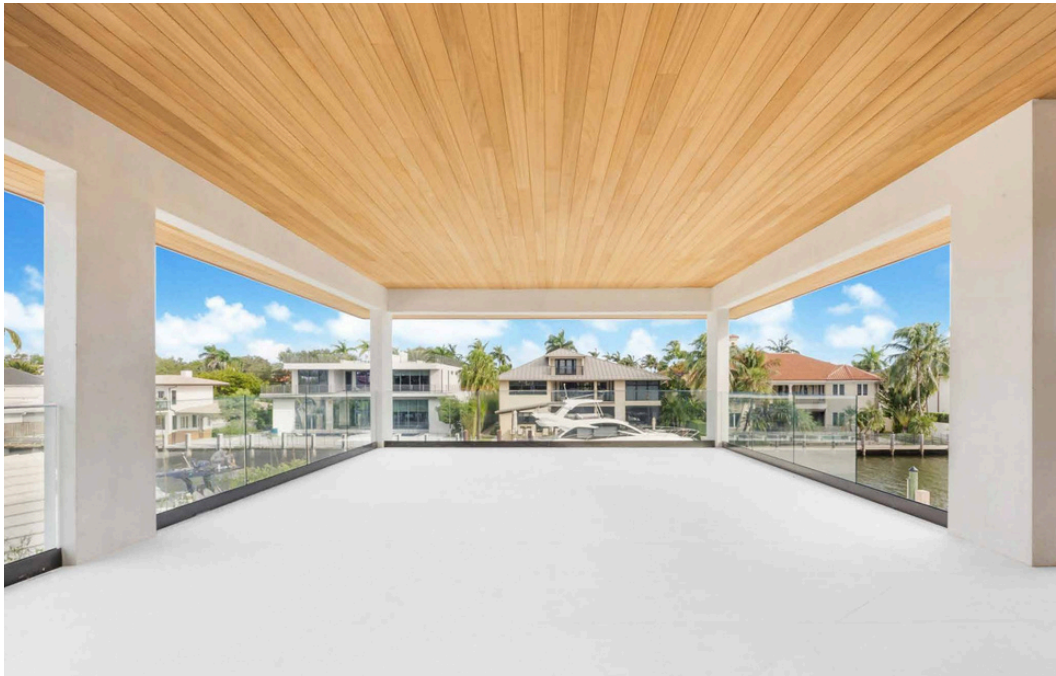
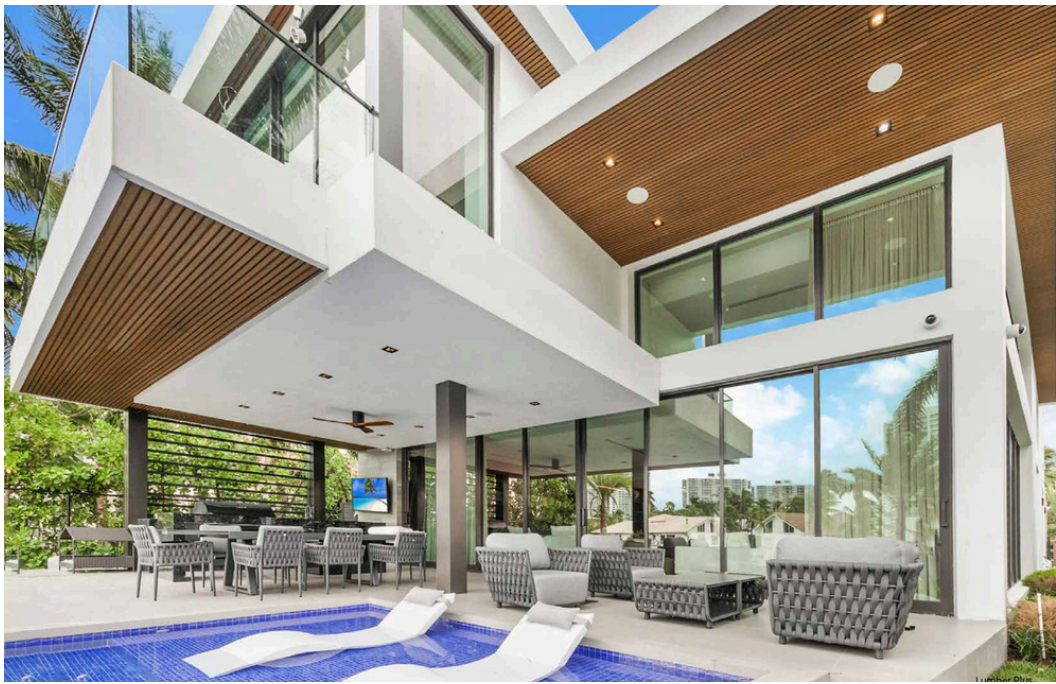


This Certification ensures that the manufacturer or importer affirms the good's conformity with European health, safety, and environmental protection standards.



This Certificate confirms that Novawood meets the requirements of international standard for quality management.







NOVA-AYOUS CLADDING

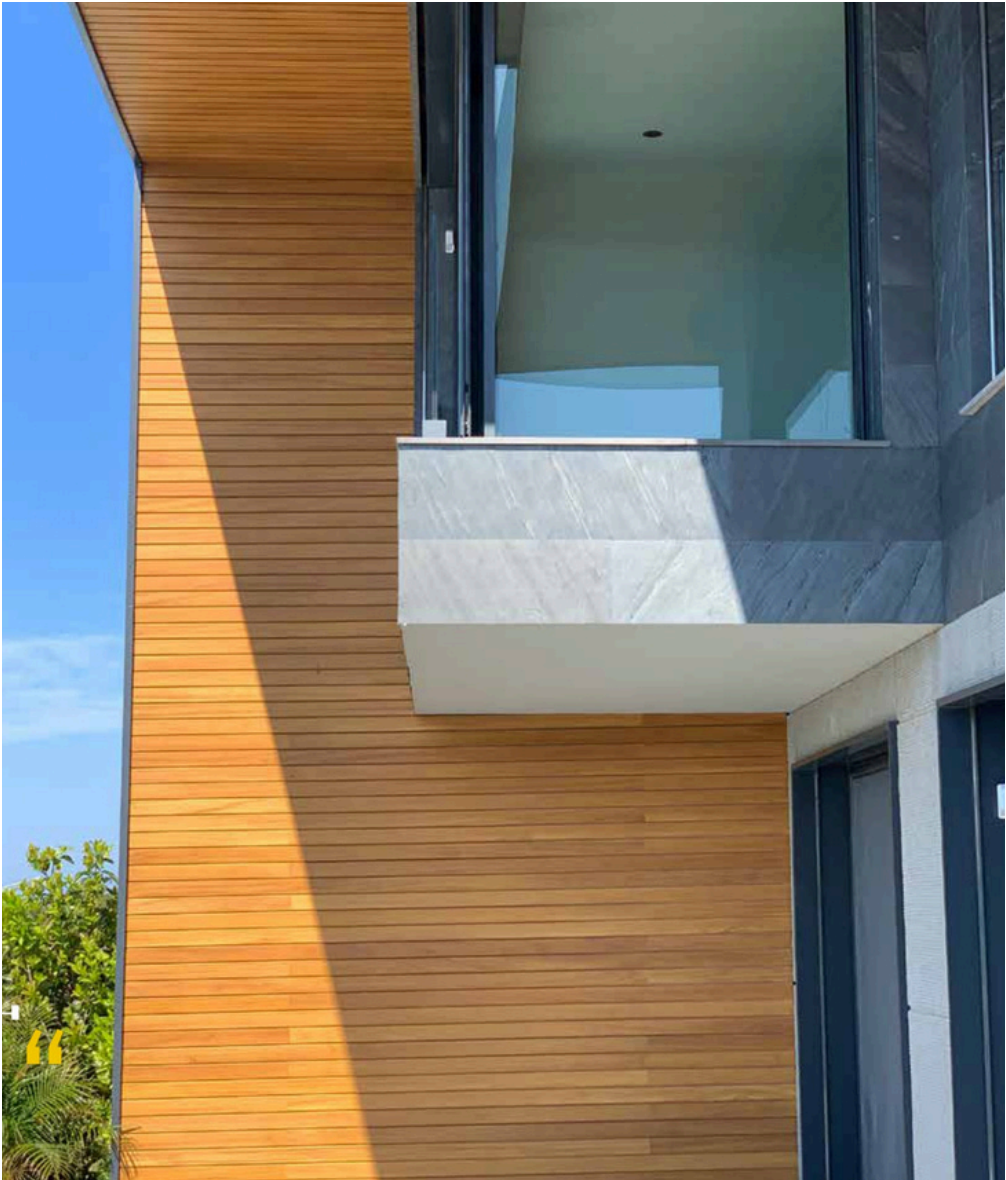
Nova-Ayous has a highly admired and particularly preferred yellow-brown color, and it becomes an indispensable tropical wood option on the exteriors with its knot-free structure and unique texture. Simultaneously, it provides a great convenience in the applications by not imposing any extra load on the facades through its light structure. All the durability and dimensional stability features of our other thermowood products are also valid for Nova-Ayous claddings.



novathermowood Nova-Ayous claddings are presented as an economical alternative with their smooth structure and easy processability, simple and elegant structure.

DIMENSIONS

Thickness (mm)	Width (mm)	Length (mm)
8	92	1000 - 4000
16	92	1000 - 4000
18	92	1000 - 4000
20	92 / 140	1000 - 4000
25	92 / 140	1000 - 4000
40	92 / 140	1000 - 4000





IROKO CLADDING

The exotic Iroko is an ideal exterior cladding material with its durability, light amber colour and elegant look that captures perfection with its modern aspect.

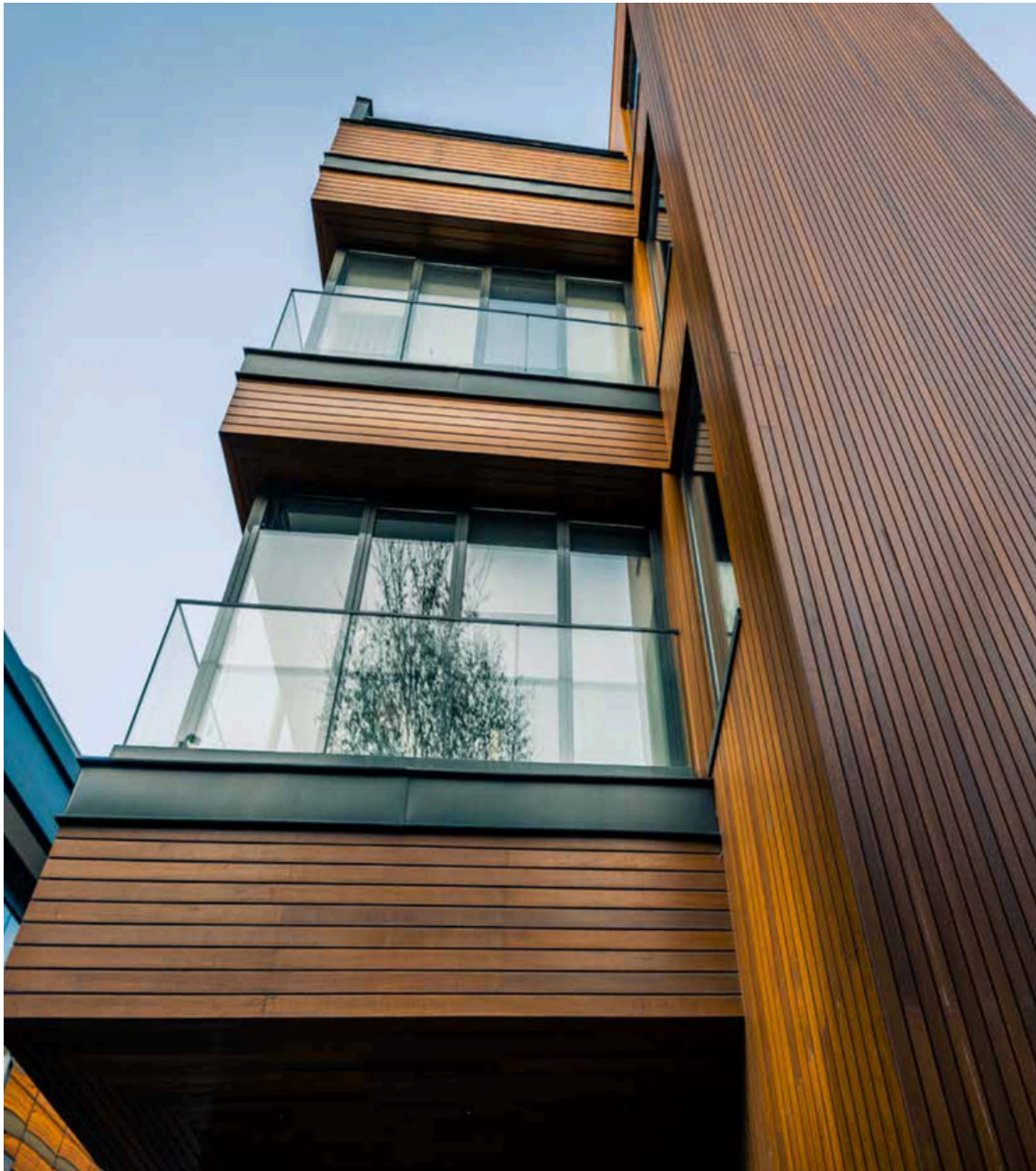
In the process starting with the extraction from the nature, we make the exotic iroko tree, which stands out with its long biological life and simplicity, much more stable due to the thermowood process. Consequently, it becomes an ideal, problem-free material with a minimized working tendency. Nova-Iroko cladding drives your projects elite and modern by adding an aesthetic appearance with its elegance.



thermowood Nova-Iroko cladding will help you to capture a modern aspect at your spaces with its honey colour, uniform texture and plain appearance.

DIMENSIONS

Thickness (mm)	Width (mm)	Length (mm)
8	92	800 - 3000
10	92	800 - 3000
19	92 / 120	800 - 3000







ALFA



ZETA



NOVA



BETA



PERA



GAMA



REINA



META



DELTA



CLEAN

ENDURO



ENDURO-T



ENDURO-D



ENDURO-S

SOLO



SOLO-40

SOLO-25

SOLO-20

QUATRO



QUARTES

TRES

DOS

UNO



RIGA



FUGA



SIGMA

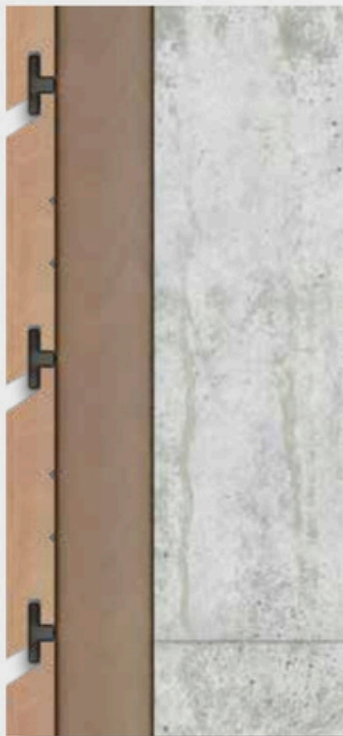


THETA

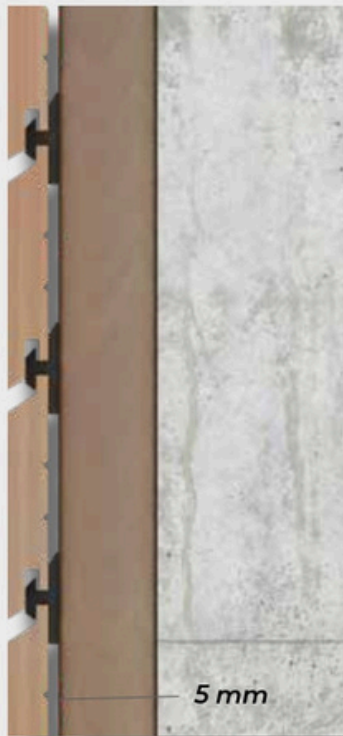


NODO

Pi-Zeta / Pi2-Zeta

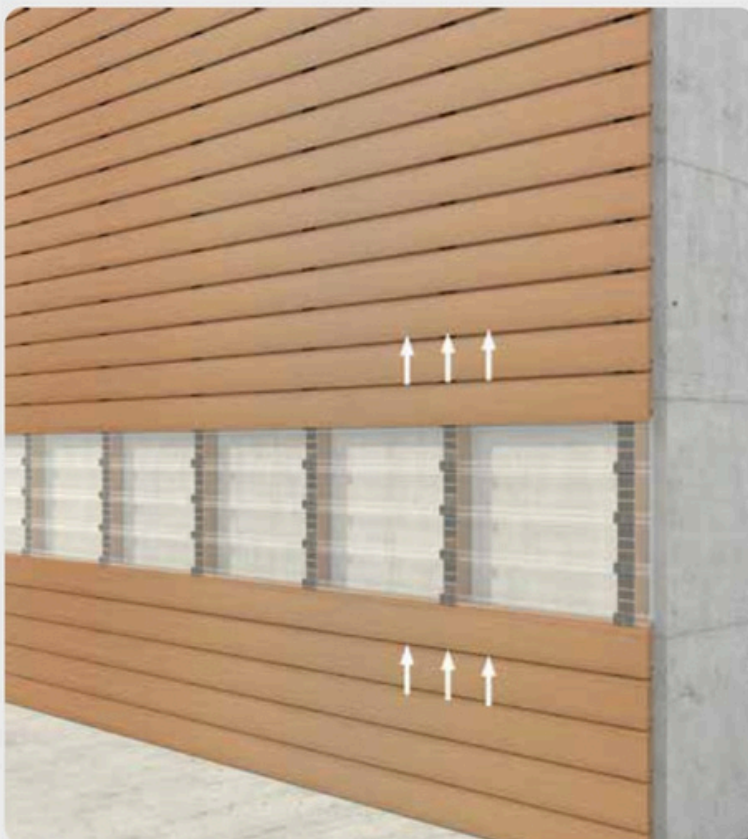


 Pi-Zeta



 Pi2-Zeta

Experience the difference of our specially designed Pi-Zeta and Pi-2 Zeta clips, which provide faster and easier installation in facade applications, allow air circulation by raising the facades by 5 mm over the underconstruction, and enable independent boards of cladding! In case of any problem that may occur in the wood, the damaged part can be easily replaced with a new one due to the cladding boards that are independent from each other. Pi-Zeta clips allow air and water passage by providing standard gaps automatically between the facades from the moment of application.



 Pi-Zeta

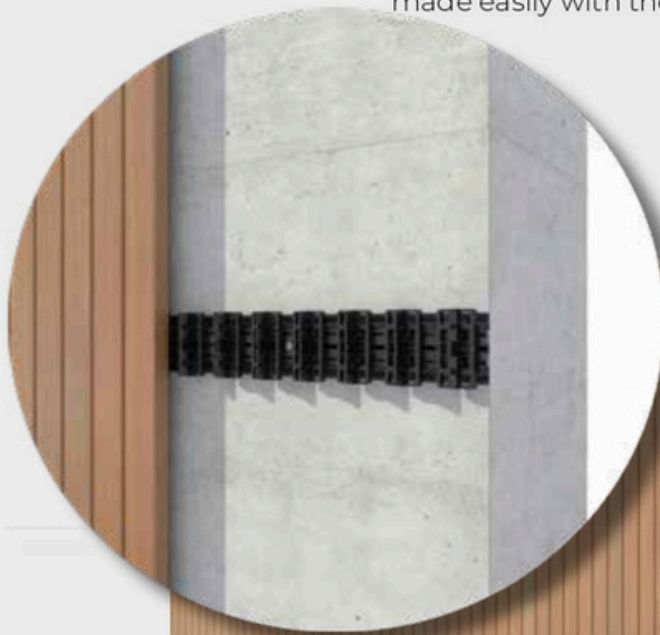


 Pi2-Zeta

Pi-Grad / **Pi-Grad Rail**



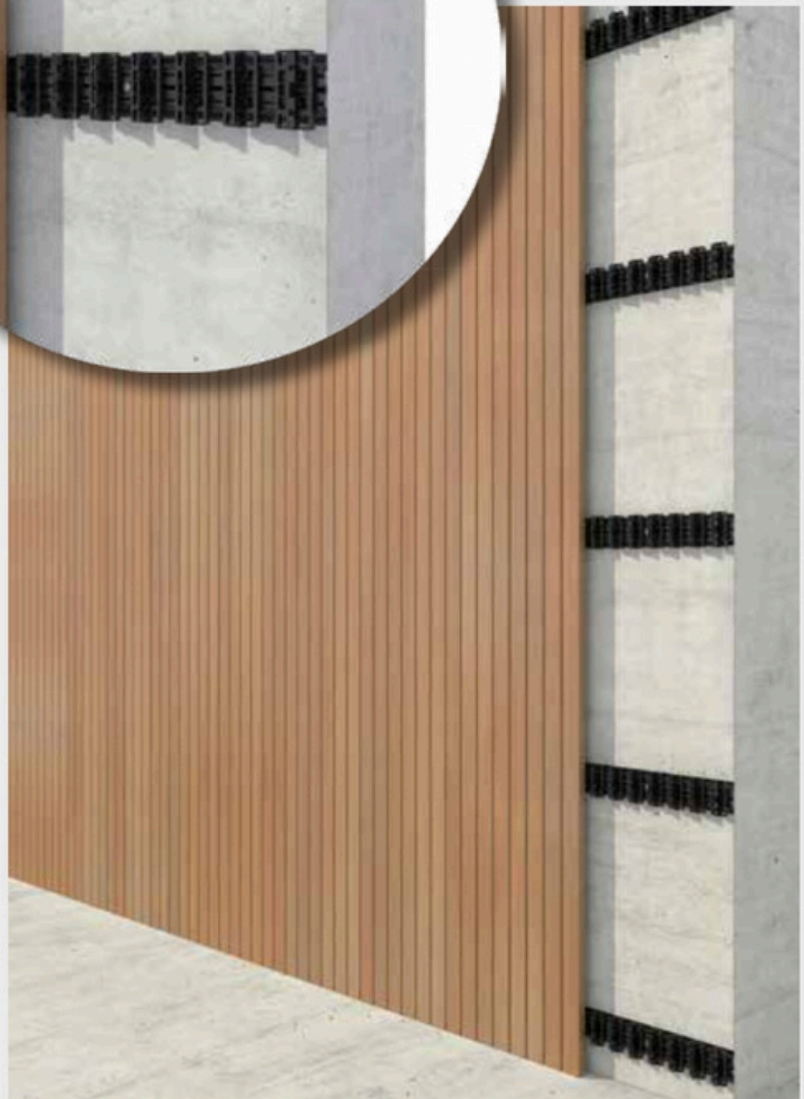
Grads are the best clip-on, screwless, invisible clips that used i the cladding and sunshade applications, which are mounted to the under-construction with the screws . It has an anti- sliding system between the boards to be mounted. Placement of Grad clips can be made easily with the positioning templates.



 **Pi-Grad**



 **Pi-Grad Rail**

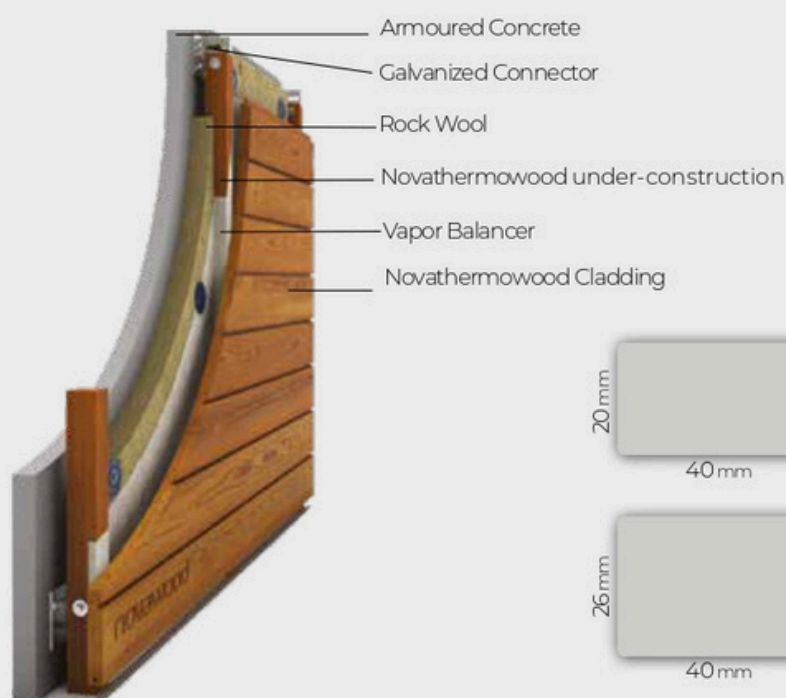


UNDER-CONSTRUCTION

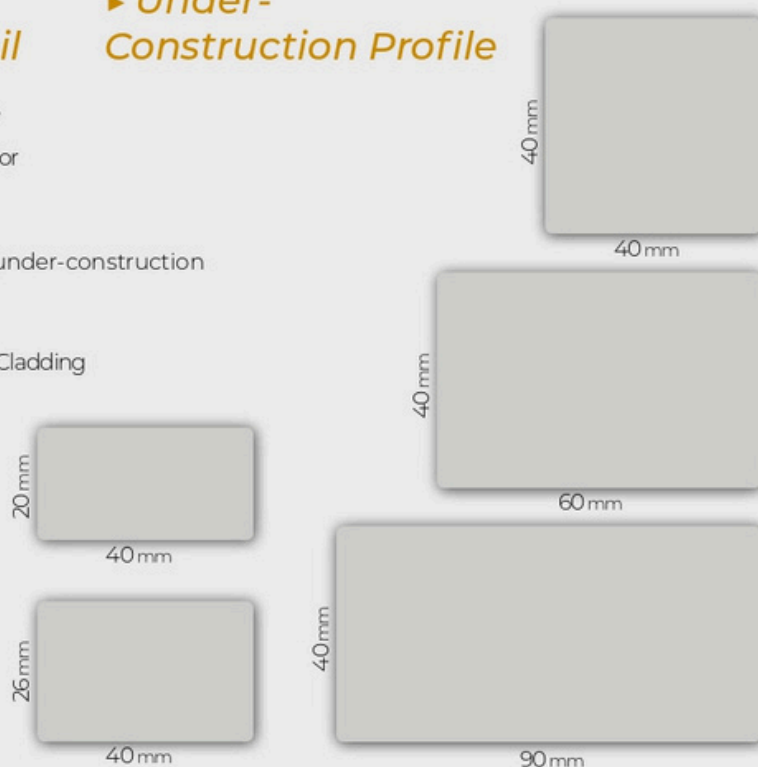
Novawood creates under-construction solutions in various sizes in order to ensure that the substructure of your cladding are the right products that you get the optimum benefit in your applications. Under-construction forms the base of the cladding, which necessitates utmost care in the selection of materials. The right cladding application starts with choosing the right under-construction.

If the products and substructure materials are at the same moisture content levels, they will have same working tendency, thus the most efficient solution will be obtained. Novathermowood under-construction materials, which are generally produced from ash, iroko and pine trees, become much more durable with fingerjoint and lamination processes and can be produced in larger sizes.

► Cladding Under-Construction Detail



► Under-Construction Profile



DIMENSIONS

Wood Specie	Thickness (mm)	Width (mm)	Length (mm)
TMT Ash	20 / 25 / 40	40 / 60 / 90	1000 - 3000
TMT Ash (FJ / Lamine)	25 / 40	40 / 60 / 90	2000 - 4000
TMT Iroko	20 / 25 / 40	40 / 90	1000 - 3000
TMT Iroko (FJ / Lamine)	20 / 40	40 / 90	2000 - 4000
TMT Pine (A Kalite)	19 / 26 / 42	42 / 65 / 90	1000 - 5100

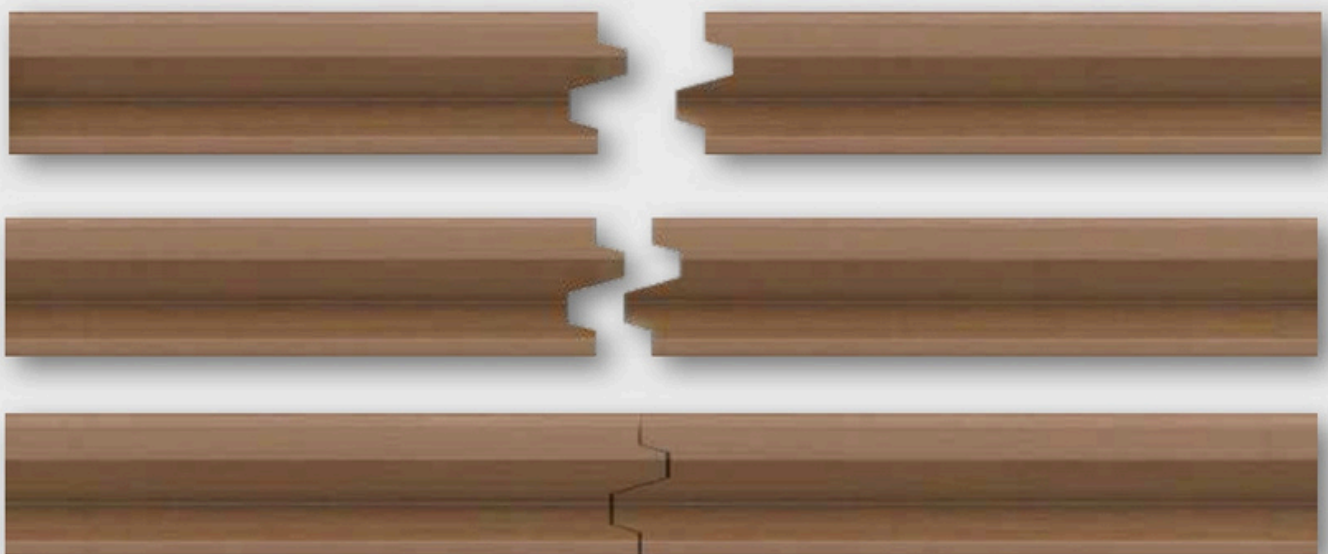
END-MATCHING

Novawood leads the industry with an unwavering commitment to excellence in cladding solutions. The Methodical principle of perfect installation is central to their innovative approach, exemplified by the unique design and application detail they introduce.

End matching, a transformative design innovation by Novawood, not only enhances structural strength but ensures impeccable fixation with full-bearing conditions on the heads. This surpasses traditional standards, providing unparalleled stability in cladding installations.



End matching not only simplifies assembly for both professionals and DIY enthusiasts but also enhances aesthetic appeal, surpassing the expectations of architects, designers, and homeowners. Novawood's holistic approach ensures not just physical robustness but also coherence and longevity in design. This commitment signifies a paradigm shift in cladding solutions, setting new industry standards. In essence, Novawood's use of end matching represents a dedication to innovation, structural strength, easy assembly, aesthetic excellence, and overall integrity, redefining industry benchmarks universally.





thermowood Nova-Sunshades do more than simply protecting from the effects of the sun; but also add a decorative value to your living spaces.



thermowood While optimally benefiting from daylight, your living spaces will take on a striking beauty. Experience the comfort of wood with its useful and functional structure. We united shade and sun in wood.



thermowood®
Iroko Sunshade

Thickness(mm)	Width(mm)	Length(mm)
20	40 / 90 / 120	800 - 3000
25	40 / 90 / 120	800 - 3000
40	40 / 90 / 120	800 - 3000

thermowood®
Ash Sunshade

Thickness(mm)	Width(mm)	Length(mm)
20	40 / 52 / 62 / 90 / 112 / 130	800 - 3000
25	40 / 52 / 62 / 90 / 112 / 130	800 - 3000
40	40 / 52 / 62 / 90 / 112 / 130	800 - 3000

thermowood®
Tulipwood Sunshade

Thickness(mm)	Width(mm)	Length(mm)
20	42 / 65 / 130	1000 - 4200
42	42 / 65 / 130	1000 - 4200

thermowood®
Ayous Sunshade

Thickness(mm)	Width(mm)	Length(mm)
18	42 / 65 / 90 / 140	800 - 4000
20	42 / 65 / 90 / 140	800 - 4000
25	42 / 65 / 90 / 140	800 - 4000
42	42 / 65 / 90 / 140	800 - 4000

thermowood®
Pine Sunshade

Thickness(mm)	Width(mm)	Length(mm)
19	42 / 55 / 65 / 92 / 118 / 138	1000 - 5100
26	42 / 55 / 65 / 92 / 118 / 138	1000 - 5100
42	42 / 55 / 65 / 92 / 118 / 138	1000 - 5100





ROMBUS 15 °



ROMBUS 25 °



CLEAN



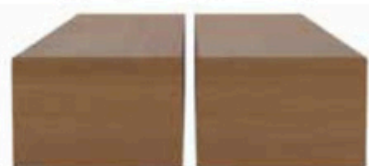
CLEAN GRAD



ROMBUS GRAD



MORE GRAD



CLEAN





NW-KK-1



NW-KK-2



NW-KK-3



thermowood Enhancing your living space with the charm of nature, our wooden shutter systems are a delightful addition to your home. Crafted from exclusive novathermowood materials, these shutters infuse a sense of peace and warmth into your surroundings with their rich, warm tones. The natural wood texture adds a unique character to each window, providing not only protection against external elements but also creating a warm and inviting atmosphere in your home.



NW-KY-1



NW-KY-4



NW-KY-5



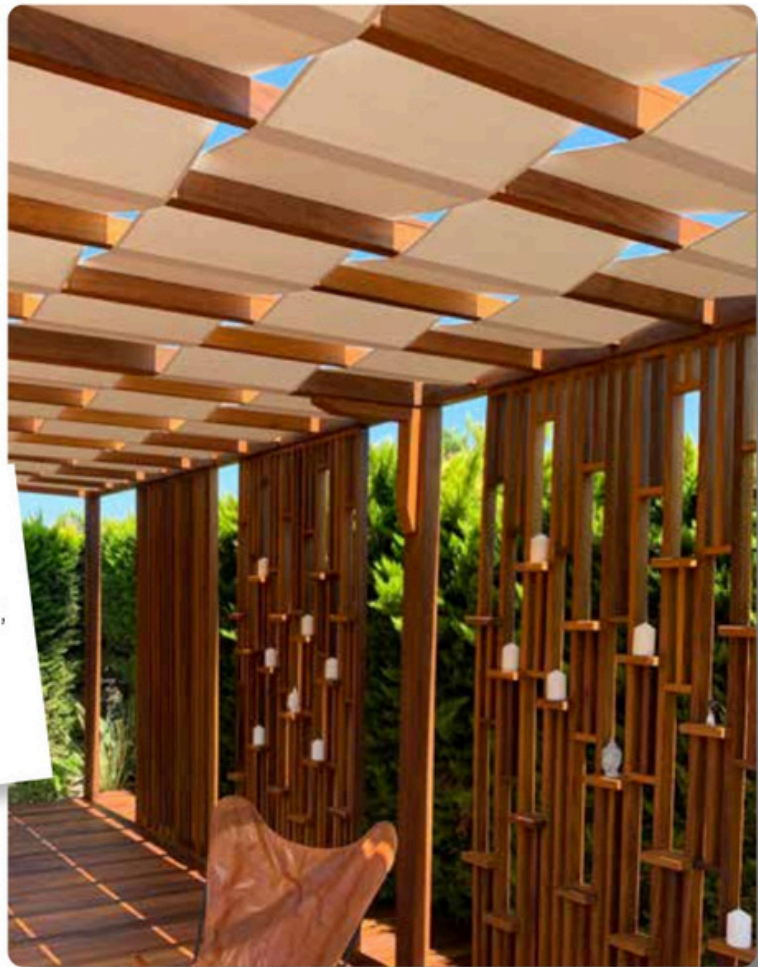
Israel
Private Residence
Iroko Rergola

Pergola is one of the very special solutions that will add elegance and value to your spaces.

Nova-Pergola, which you can use for shading in areas where you rest, relax and enjoy, as well as for purely aesthetic reasons, will fascinate those who see it with its elegance.

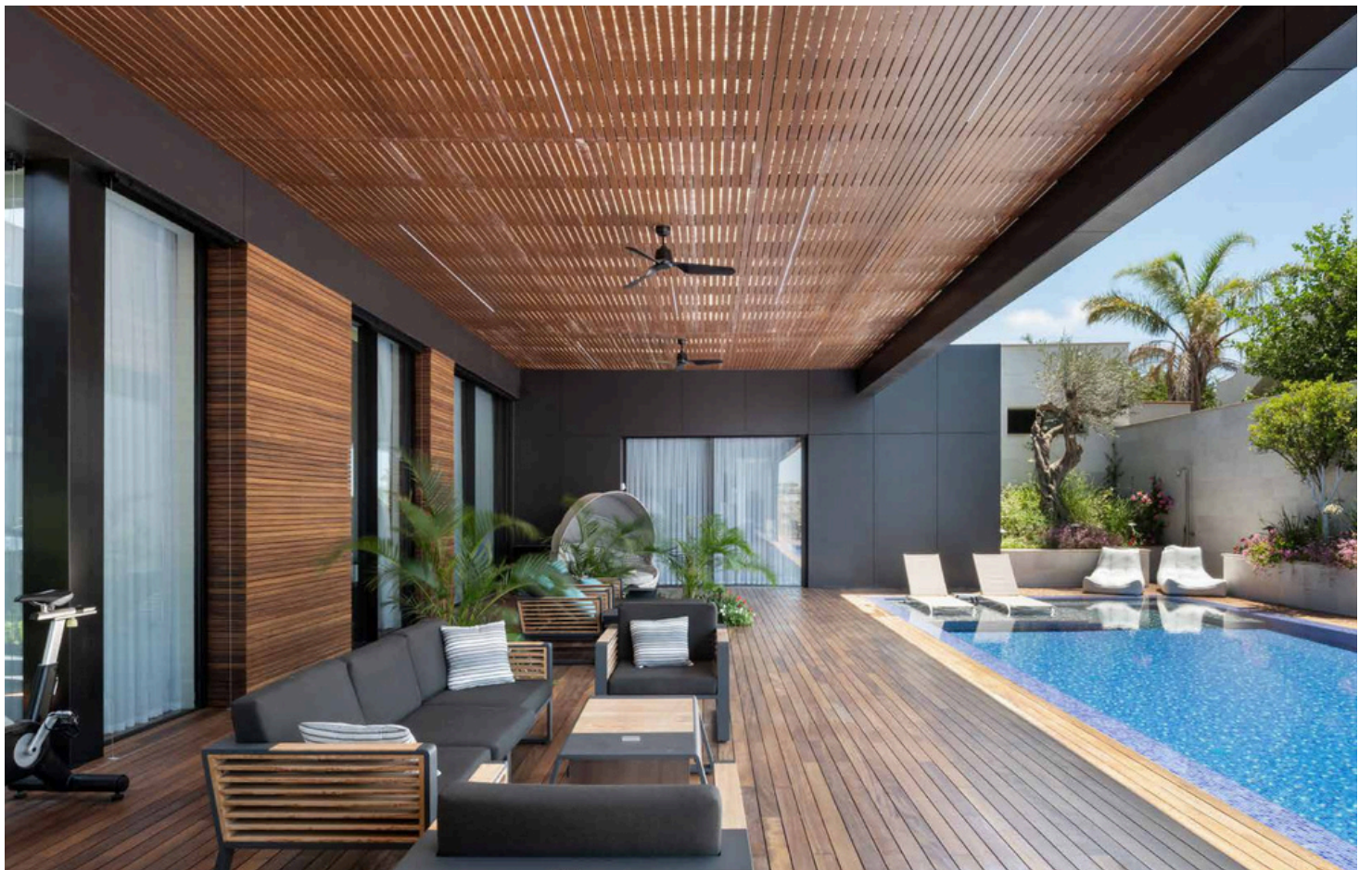


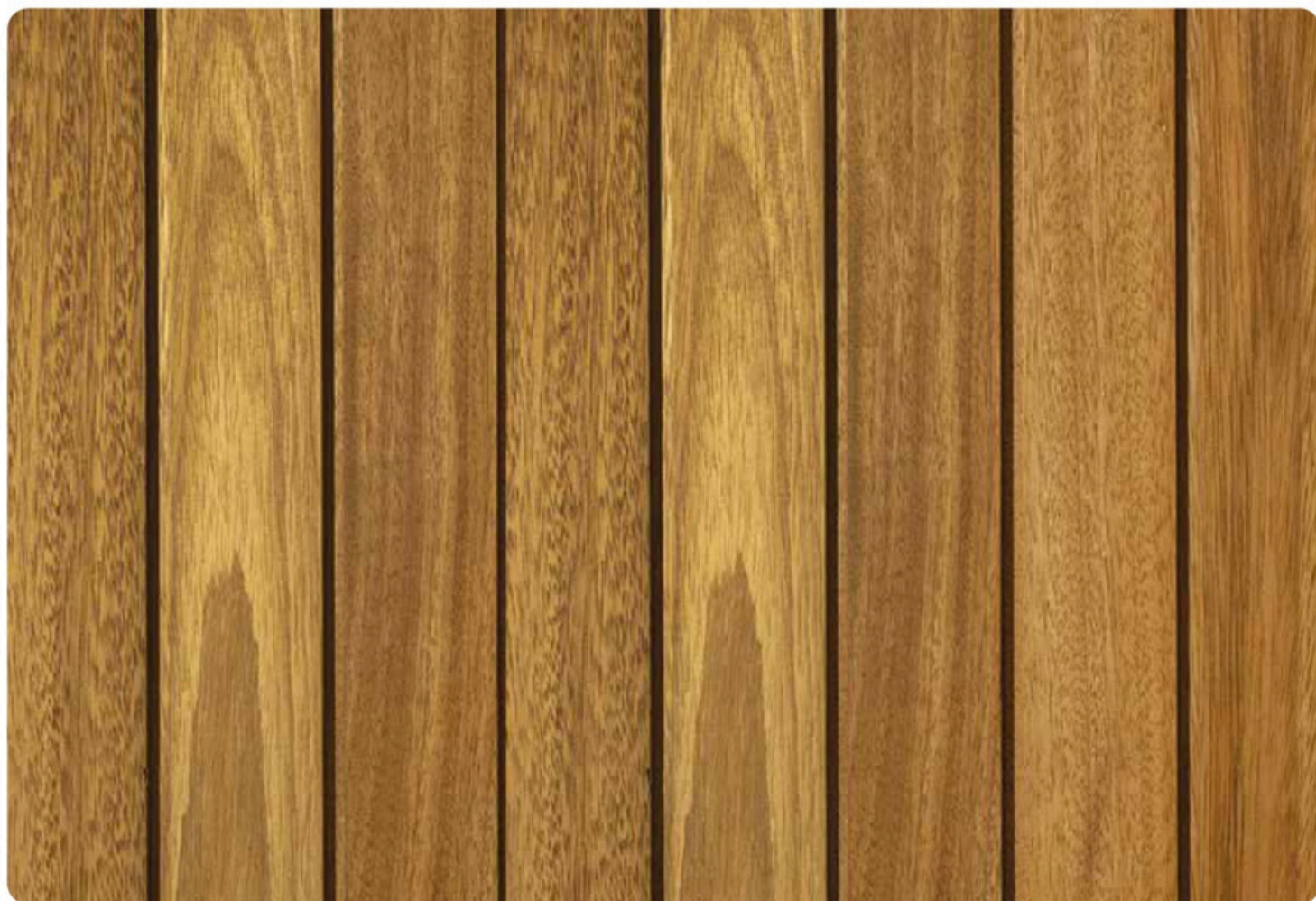
As lamination process is applied to have large sizes, products in special sizes can be provided for your projects.



Pergola is a natural and useful solution that will allow you to use unique designs for garden decorations.







ROKO DECKING

For those who prefer to be stylish with an exotic touch, we offer a product that can crown their perspective.

Hard structured iroko tree gains many features as it has increased durability as a result of the thermowood process of Novawood.



thermowood The exotic Nova-Iroko provides an ideal decking material with its durability, light amber colour and an elegant look that captures perfection with its modern aspect.

DIMENSIONS

Thickness (mm)	Width (mm)	Length (mm)
20	90 / 120	800 / 3000
25	90 / 120	800 / 3000
40	90 / 120	800 / 3000



CLEAN



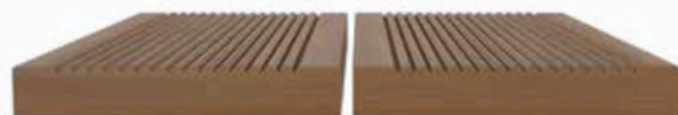
CLEAN CLIPS



GROOVE



GROOVE CLIPS



ANTISLIP



ANTISLIP CLIPS



CONVEX



CONVEX CLIPS



MARIN



TENI CLIPS



CLEAN GRAD



CONVEX GRAD

UNDER-CONSTRUCTION

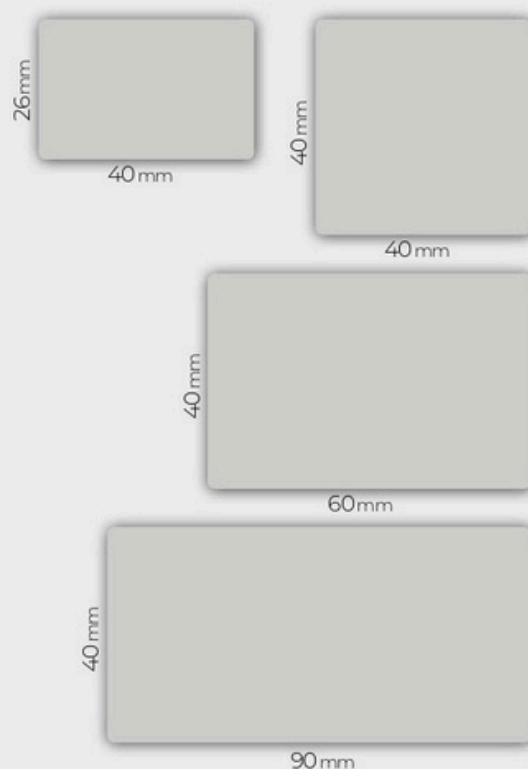
Novawood creates under-construction solutions in various sizes in order to ensure that the substructure of your decking are the right products that you get the optimum benefit in your applications. Under-construction forms the base of the decking, which necessitates utmost care in the selection of materials. The right decking application starts with choosing the right under-construction.

If the products and substructure materials are at the same moisture content levels, they will have same working tendency, thus the most efficient solution will be obtained. Novathermowood under-construction materials, which are generally produced from ash, iroko and pine trees, become much more durable with fingerjoint and lamination processes and can be produced in larger sizes.

► Decking Under-Construction Details



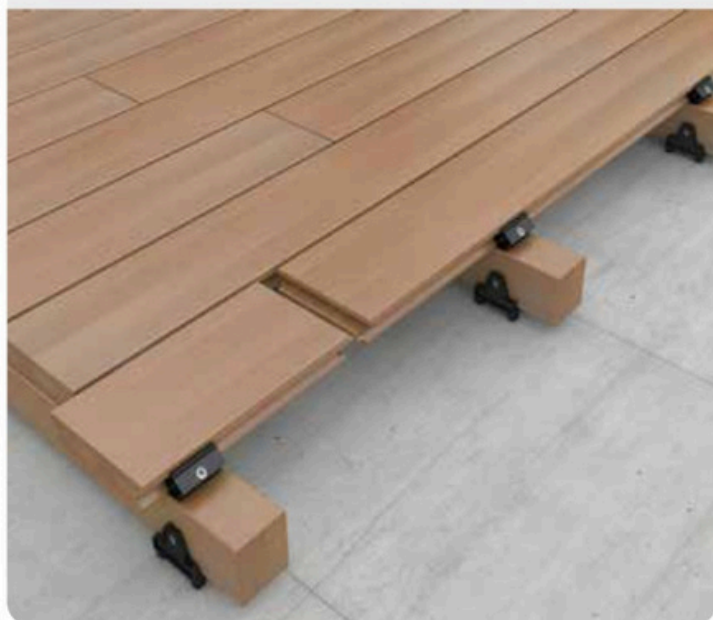
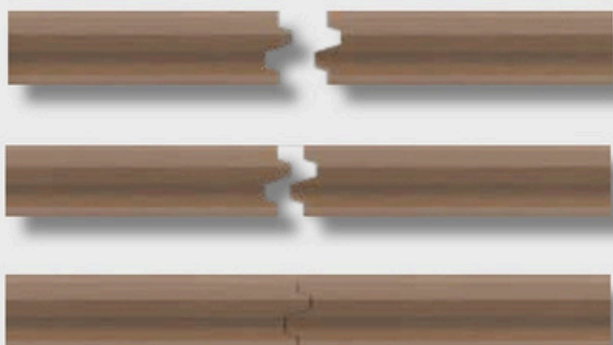
► Under-Construction Profiles



Wood specie	Thickness (mm)	Width (mm)	Length (mm)
TMT Ash	20 / 25 / 40	40 / 60 / 90	800 - 3000
TMT Ask (FJ / Lam)	25 / 40	40 / 60 / 90	2000 - 4000
TMT Iroko	20 / 25 / 40	40 / 90	800 - 3000
TMT Iroko (FJ / Lam)	20 / 40	40 / 90	2000 - 4000
TMT Pine (A Kalite)	26 / 42	42 / 65 / 90	1000 - 5100

END-MATCHING

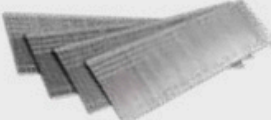
Novawood has adopted the principle of producing the details for the perfect installation on decking and facades with the innovative solutions. This unique design and application detail developed in this sense is just one of the smart solutions that Novawood offers. End matching makes the structural strength and fixation perfect with the formation of a full bearing conditions on the heads, in addition to providing easy assembly during the application, aesthetic continuity and integrity.



SCREW / NAIL

Correct selection of screws will prevent the rust formation and provide trouble-free assembly. In decking and cladding applications; it is recommended to use A2 stainless coded screws or nails for visible or invisible connections. In these applications, it is important to use screws suitable for the cladding and under-construction.

For invisible clips connections, countersunk half-threaded or fully threaded A2 stainless steel screws suitable for the clips and wood should be preferred.

Screw	Screw (mm)	Screw Length (mm)	Head (mm)
  Clip-on mounting screw	3.5	35 / 40	7.0
  Clip-on mounting screw	4.0	40 / 50	8.0
  Top mounting screw	5.0	56	10.0
  Top mounting screw	5.0	40 / 50 / 60 70 / 80	7.0
 Nail	1.0	40	1.25

PEDESTAL

► What is Nova- Pedestal?

► Nova-Pedestals are raised floor legs which can be used indoors and outdoors, with an adjustable height between 14-725 mm. Preferably used when decking applications are carried out, pedestal supports are particularly needed when elevation from the ground is required, providing easy installation due to height adjustability.



$$\text{Number of pedestals to be used} = \frac{1}{\text{Under-construction distance (m)} \times \text{Pedestal distance (m)}}$$

Nova Code	Height (mm)
NSP1	14
NSP2	18
N0	15-30
N1	26-35
N2	35-50
N3	50-75
N4	75-110
N5	110-180
N6	140-220
N7	205-295
N8	205-330
N9	270-390
N10	270-440
N11	340-500
N12	340-550
N13	405-615
N14	405-660
N15	470-725

► Advantages of Nova-Pedestal Systems

- It has high load resistance. (Min 1000 kg / piece)
- It provides fast drainage due to its open joint system, thereby there is no accumulation of water on the coating and no water ponding.
- Installation and wiring can be done in the space between the floor and the coating.
- It is easy to apply, fast and economical
- It has high resistant to all weather conditions.



OILING

To delay color fading caused by UV rays, nourish and revitalize the wood surface, reduce splintering, protect against liquid stains, and prevent or minimize surface and end cracks, Novathermowood decks must undergo the correct surface treatment.

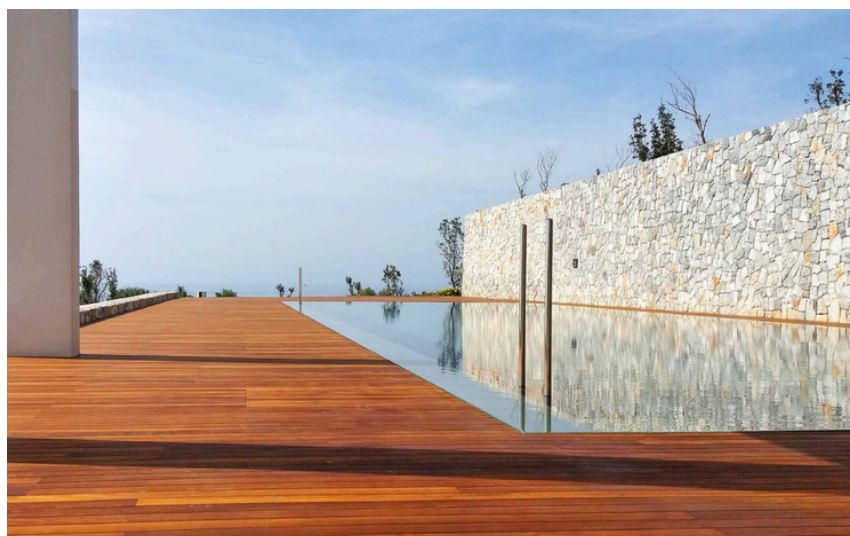
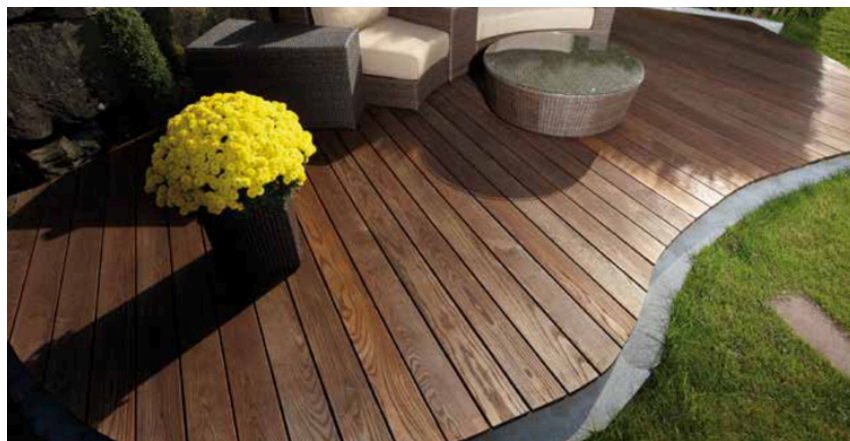
Applying a high-quality semi-transparent colored oil with no film formation, water-repellent properties, lead-free content, easy maintenance, and resistance to UV rays is essential for treating Novathermowood deck wood surfaces.

Before assembling Novathermowood decks, the colored oil must be applied to the front, back, sides, and end parts of the wood to maximize service life. During application, the method and quantity specified in the oil manufacturer's "Technical Data Sheet" should be followed, applying one to two coats as needed to avoid film formation on the surface.



First Layer

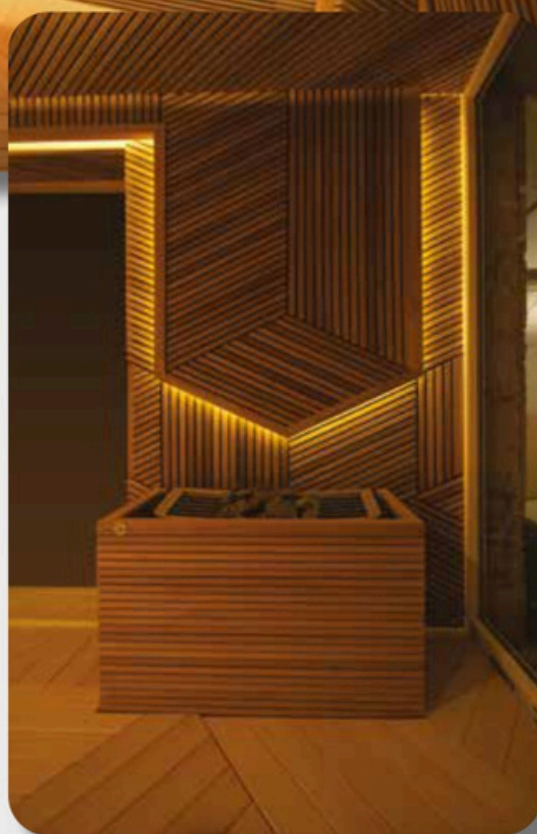
Second Layer



SPA / SAUNA



Thermowood used in your spa and saunas not only brings warmth but also naturalness and luxury. It seamlessly combines aesthetics and durability, providing users with a unique spa and sauna experience.

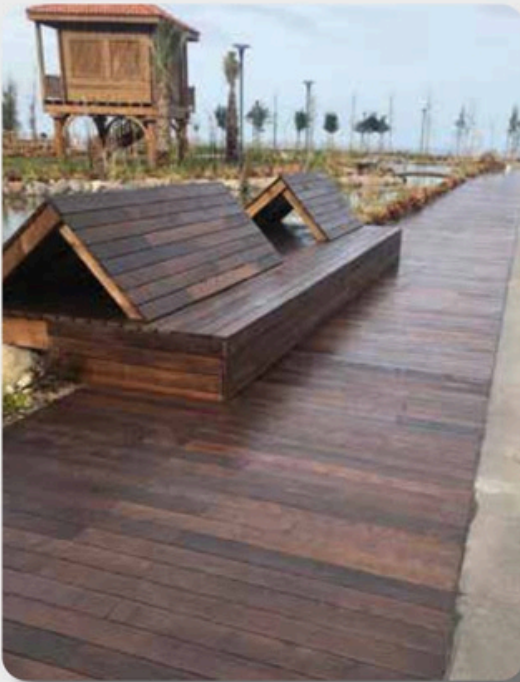


Wood Specie	Thickness (mm)	Width (mm)	Length (mm)
TMT Pine	16 / 19	92 / 118	1000 - 5100
TMT Ayous	16 / 18 / 20	92 / 120	800 - 4000
TMT Ash	20	92 / 115	800 - 3000
TMT Iroko	19	92 / 120	800 - 3000
KD Ayous	16 / 18 / 20	92 / 120	800 - 4000

URBAN FURNITURES



We go one step further in the landscape and combine the green areas with the warmth and naturalness of the wood.



The use of Novathermowood in the production of benches, seating areas and urban furnitures for park and garden areas provides an extra durability. In addition, we provide all the necessary support for your special designs needed in the green areas. With Novathermowood product selections, it becomes possible to soften the outdoor decorations and increase their durability by ensuring the integrity between the green and the wood.





ABOUT MAINTENANCE

Wood undoubtedly makes its difference clearly because it can be maintained, unlike many building materials. Even after years, areas where it is applied, such as decks, claddings, ceilings, sunshades, and urban furniture, can regain their original appearance without requiring substantial reinvestment, making wood a more appealing choice. Novathermowood materials can be used for long-lasting duration because their maintenance not only preserves them but also enhances their durability compared to traditional wood products, minimizing the risk of deformation. Despite the effects of heavy traffic and UV rays over time, proper maintenance can significantly restore the surface of the wood, eliminating abrasions and grayness, and bringing it back to its first-day appearance.

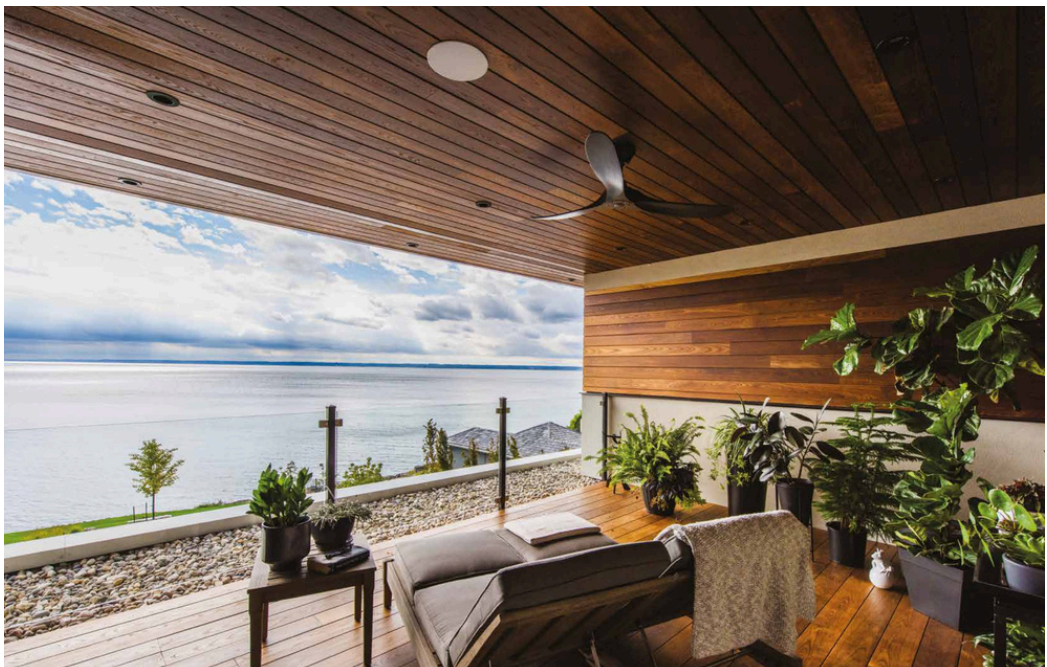
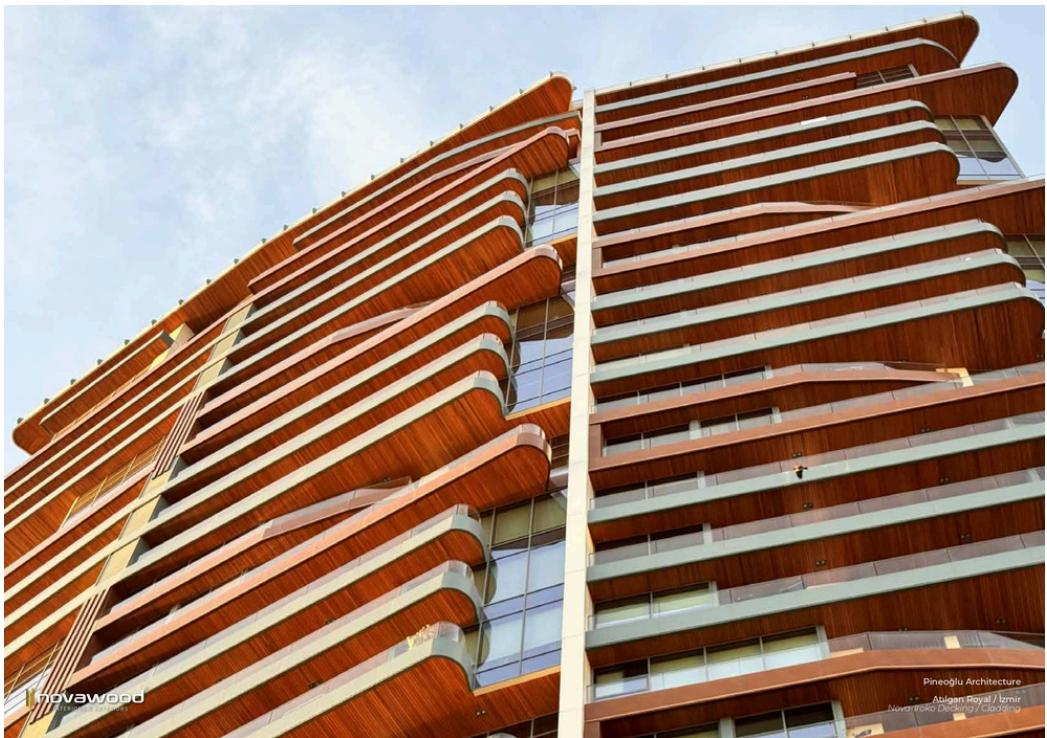
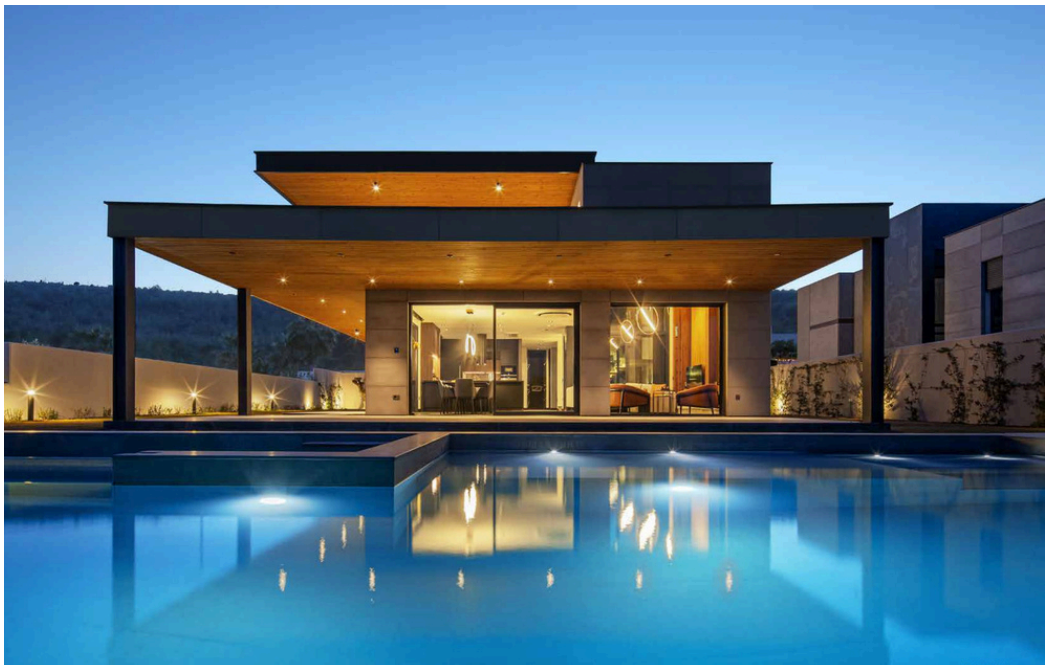
It should not be forgotten that;

The graying of Novathermowood materials does not impact the strength values and classification of the products. The color degradation observed on the surface represents a visual change and does not compromise the structural strength values. Superficial fungi, which can even form on the surface of stone and metal, can also be seen in environments where thermowood is left very humid, but this is not rotting. Bleaching, identified as surface degradation rather than decay, is acknowledged in the sector's literature and accepted as a desirable grayed surface. It should not be forgotten that wood undergone heat-treated process is also a natural material. Hairline cracks may appear on wooden surfaces over time. This situation has no negative effects in physical or mechanical terms. It can usually be improved by sanding during maintenance.

Application

Generally, wooden products require periodic checks and maintenance for sustainable usage comfort, and optimal service life. Maintenance is not merely a technical pleasure but a necessity. When maintaining, avoid removing old paint/varnish; instead, clean the surface thoroughly with sandpaper to eliminate dirt, oil stains, sawdust, and old paint residues. Afterwards, if possible, the wooden surface should be washed with water. After ensuring that the washed surface is completely dry (3-5 days depending on weather conditions), it should be maintained with wood preservatives in accordance with the application recommendations of the company from which the wood preservative is supplied. In this way, it will be seen that Novathermowood can regain its first-day appearance.









Θεσσαλονίκη

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