



SUNSHADE

CATALOG



Rooted in sustainability , crafting a greener future

*As Novawood , we set out to transform the weaving texture of the “tree” into the texture of “life” .
Our aim was to transform the most beautiful gift of nature into living spaces that breathe .At the
point we have reached today , we feel that we are bringing the nature one step closer to humans
through each new design developed .*

*While trying to preserve the forest richness of our world with the sustainable solutions , we embrace
the “long life span” as the most important brand value of our products .
We are inspired by the nature itself in terms of harmony and aesthetics , and we preserve our products
with the most advanced thermal modification method “Thermowood” for ultimate “durability” and
“endurance” .*

*We have a justified pride in our position as being the first company introducing the termal
modification technology “thermowood” in Turkey . We develop and direct every stage of the
production process with innovative approaches which add value to the life . We strive to reinforce the
wood products and wooden materials , which we regard as living materials , without compromising
the aesthetics and naturalness of the product .*

*Our aim is to offer the precious gifts of the nature by preserving them in their most natural state .
“Nature cannot be considered apart from us , it is part of us .”*

NOVAWOOD



*Feel the warmth of the nature
in your living spaces*



Novawood Factory ■

FACTORY & PRODUCTION

Novawood is a world leading manufacturer of the thermowood sector with its high quality products, technological infrastructure and wide product range. The company produces 30,000 m³ of Novathermowood timber and 1,000,000 m² of finished products annually at its facilities located in Bolu Gerede, Turkey. Products manufactured at Novawood facilities are in compliance with the international quality standards. The quality is accredited as Novawood has participated in the research and quality control studies of the internationally accredited organizations in the sector.

Thermowood products mainly produced by Novawood include exterior claddings, deckings, sunshades, pergolas, door and window scantlings, materials for urban furnitures, blinds and shutters, solid and engineered floorings and interior wall coverings.

Novawood constantly renews and develops its product range in accordance with the needs and demands of the industry, without sacrificing quality. Working with a focus on the customer satisfaction and quality, Novawood also produces special products suitable for the large architectural projects and customer specific solutions.

NOVAWOOD



Novawood Headquarter ■



Novawood Showroom ■

Novawood Technology

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.

Closing the Sustainability Gap:

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.

Certified Resources and Green Programs: ;

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.

Environmental Product Declarations and Ecological Footprint:

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..

Fire Resistance:

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.

In summary;

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.

UNDERSTANDING NOVAWOOD TECHNOLOGY

*“Sustainable Selections in
Harmony with Nature”*



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.



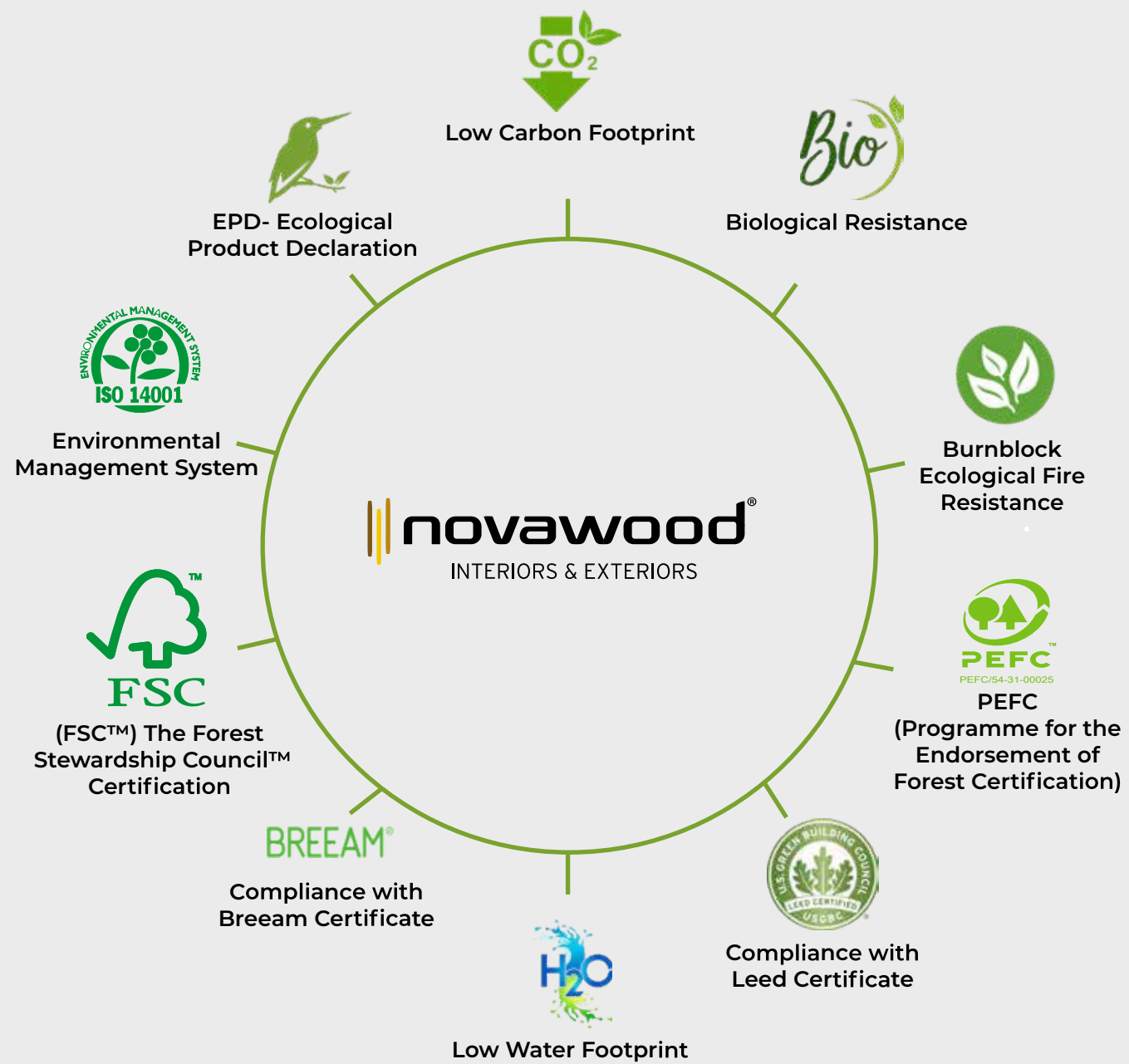
This certificate confirms that Novawood's activities and productions are in accordance with Turkish standards as well as showing that the production place of certified products meets the requirements of the institute.



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.





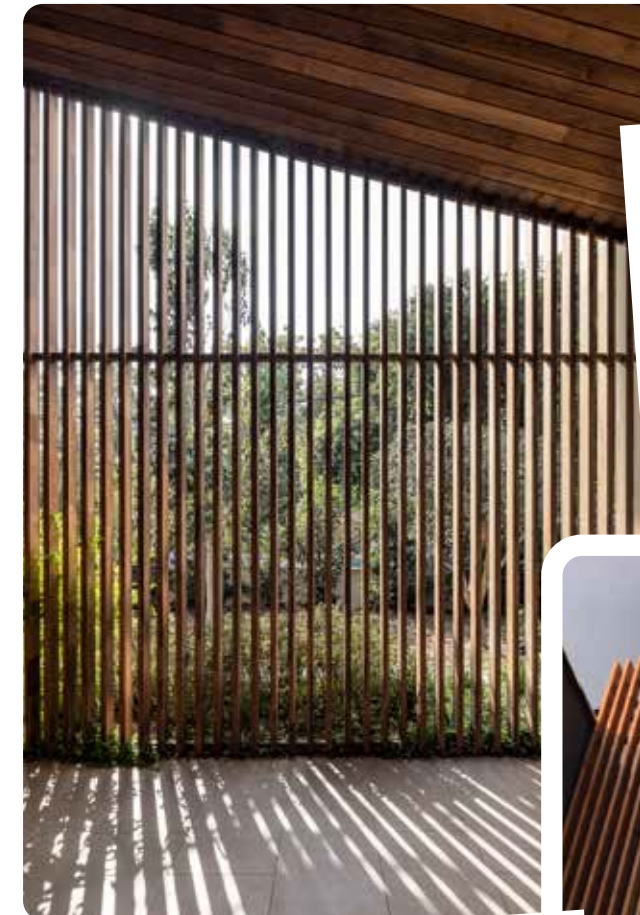
Nova-Sunshade products offer are ideal solution and a modern cladding alternative for buildings that are exposed to sunlight throughout the day.



SUNSHADE
& PERGOLA



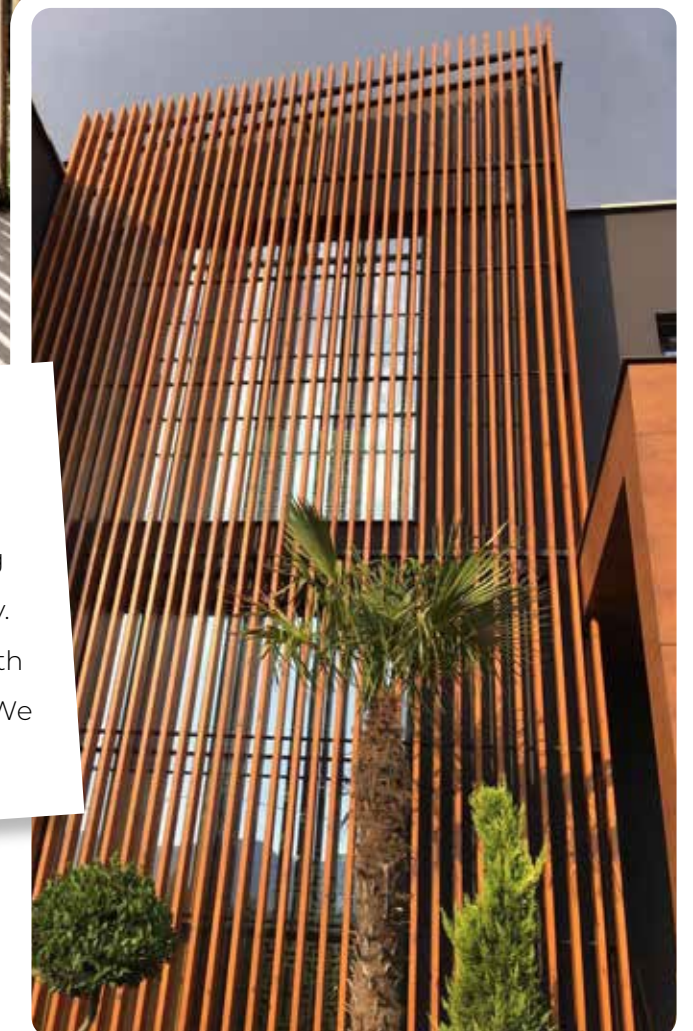
Mortlock Timber
Private Residence / Australia
Nova-Ash Sunshade



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



novathermowood[®] 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.





NW-KK-1



NW-KK-2



NW-KK-3



novathermowood 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





Adis Arcon Ltd. / Israel

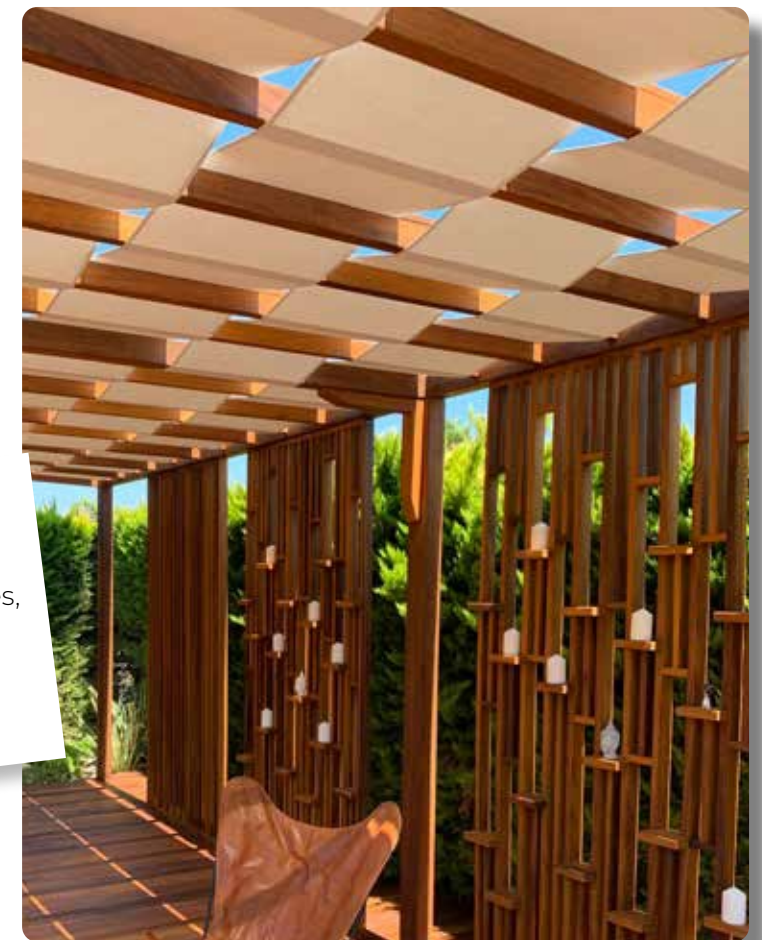
Private Residence
Nova-Iroko Pergola

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

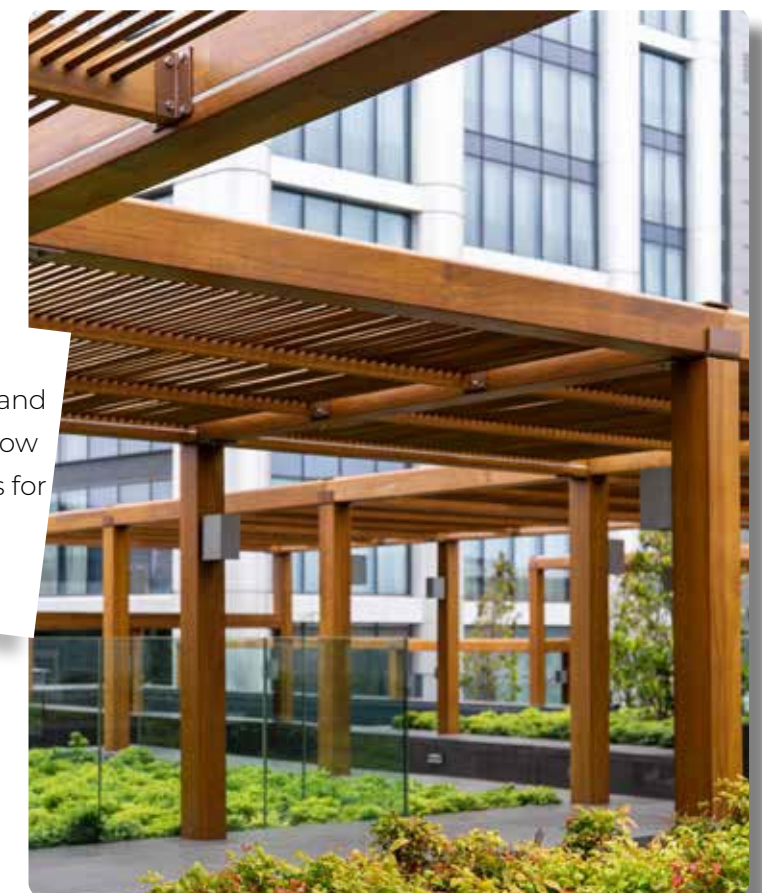
Nova-Pergola, which you can use for shading in areas where you rest, relax and enjoy, as well as for purely aesthetic reasons, will fascinate those who see it with its elegance.



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



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



novathermowood®

Nova-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

novathermowood®

Nova-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

novathermowood®

Nova-Tulipwood Sunshade

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

novathermowood®

Nova-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

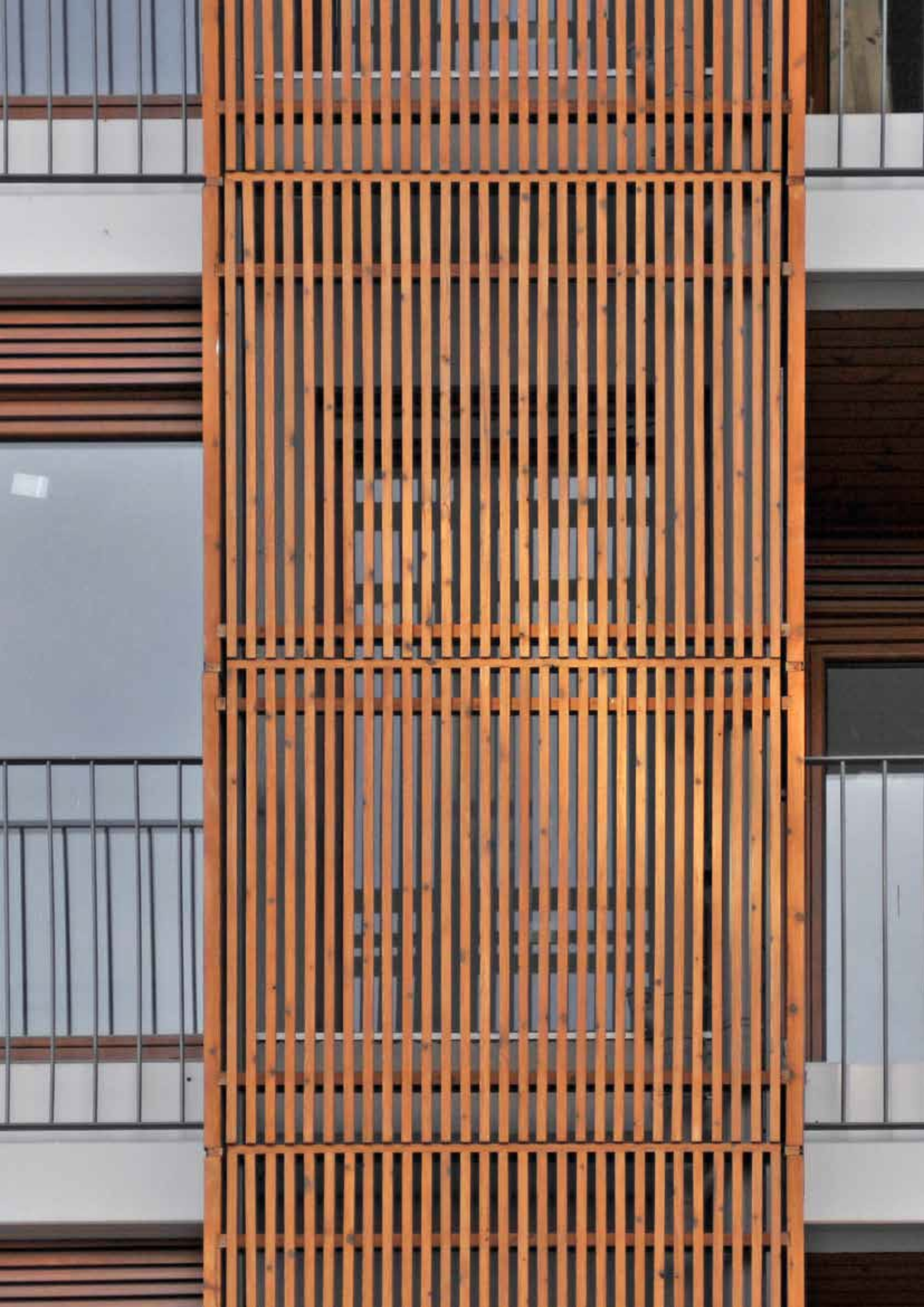
novathermowood®

Nova-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

Adis Arcon Ltd

Private Residence / Israel
Nova-Tulipwood Sunshade



ROMBUS 15 °



ROMBUS 25 °



CLEAN



CLEAN GRAD



ROMBUS GRAD



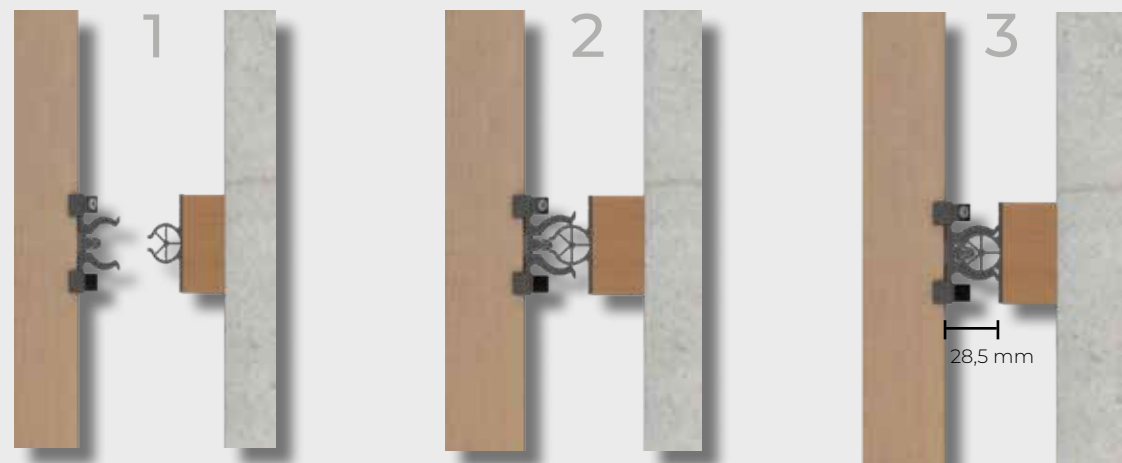
MORE GRAD



CLEAN

Pi-Fix / Pi-Fixal

Pi-Fix, is one of our practical clips solutions that you can easily use in cladding, sunshade and ceiling applications. It is a hidden and practical mounting element with an aluminum under-construction (Pi-Fixal). It provides “push-fit and locking” with the help of its unique form and the centering and mouthing feature. It allows local change and renewal without damaging the under-construction. Pi-Fix is used in indoor and outdoor applications, by mounting on the under-construction at certain desired distances. The distance setting can be adjusted according to the project and usage request. It allows the assembly of the products of all sizes. The design supports the flexible mounting model.



Pi-Grad / Pi-Grad Rail

Grads are the best clip-on, screwless, invisible clips that used in 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

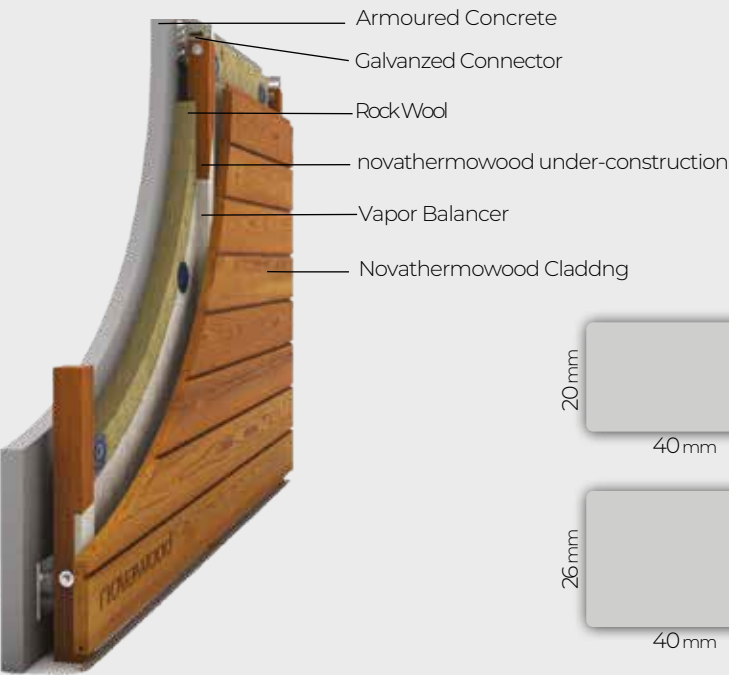


UNDER-CONSTRUCTION

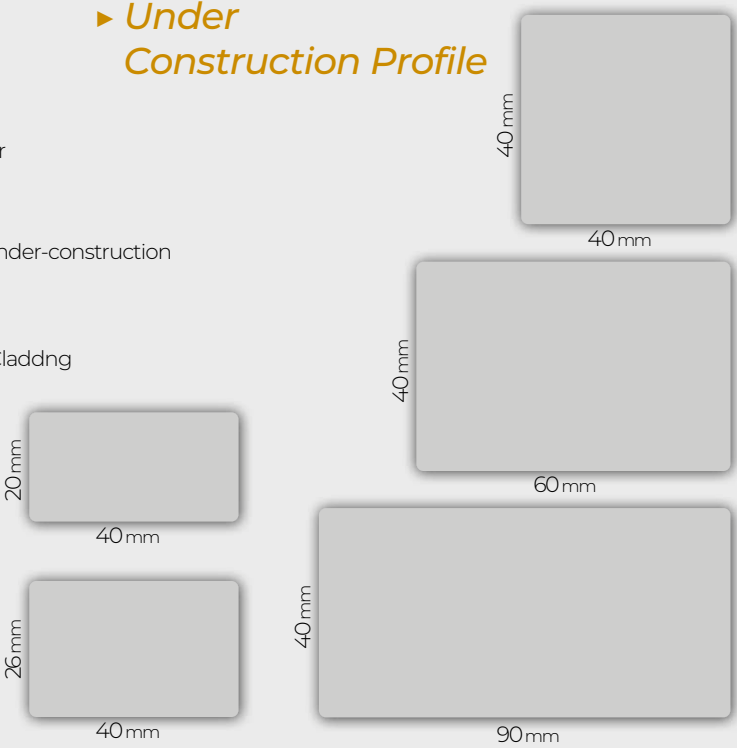
Novawood creates under-construction solutions in various sizes in order to ensure that the substructure of your cladding are the right products that you get the optimum benefit in your applications. Under-construction forms the base of the cladding, which necessitates utmost care in the selection of 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 laminaton processes and can be produced in larger sizes.

► **Cladding**
Under- Construction Detail



► **Under**
Construction Profile



DIMENSIONS

Wood Species	Thickness (mm)	Width (mm)	Length (mm)
TMT Ash	20 / 25 / 40	40 / 60 / 90	800 - 3000
TMT Ash (FJ / Lamination)	25 / 40	40 / 60 / 90	2000 - 4000
TMT Iroko	20 / 25 / 40	40 / 90	800 - 3000
TMT Iroko (FJ / Lamination)	20 / 40	40 / 90	2000 - 4000
TMT Pine (A Grade)	19 / 26 / 42	42 / 65 / 90	1000 - 5100

SURFACE APPLICATION

To delay color fading caused by UV rays, protect the surface against stains that may be left by rain, and prevent or reduce the formation of surface and end cracks, it is important that Novathermowood® façade cladding undergoes the correct surface treatment.

Transparent colored oil: It is highly important that Novathermowood® façade wood surfaces treated with a high-quality semi-transparent colored oil that does not form a film layer, has water-repellent properties, is lead-free, easy to maintain, and contains pigments resistant to UV rays.

Before the installation of Novathermowood® façade cladding, to obtain the maximum service life from the colored oil, one coat must be applied to the front, back, sides, and end grain of the wood. during application, the oil should be applied in two coats in total, while paying attention to the application method and coverage rate specified in the manufacturer's Technical Data Sheet (TDS).



Transparent colored varnish: It is highly important that Novathermowood® façade wood surfaces are treated with a high-quality primer + varnish system that is water-based, lead-free has a resin structure resistant to outdoor conditions, possesses water-repellent and vapor-permeable properties, and contains pigments that are particularly resistant to UV rays.

Before installing Novathermowood® façade cladding, apply one coat of primer and one coat of colored varnish to the front, back, sides, and end grain. Apply a second coat of varnish on the front surfaces. Follow the varnish manufacturer's Technical Data Sheet (TDS) for application method and resulting in a total of one primer and two varnish coats.



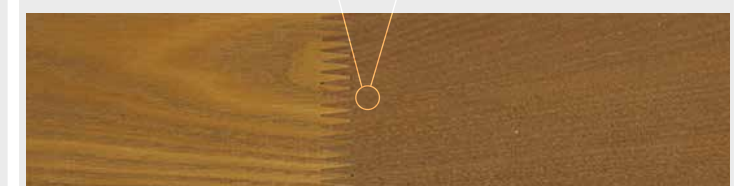
LAMINATION

Nova-laminated products enable to achieve desired dimensions for applications that require larger sizes of wood such as under-construction, pergola, door and window scantlings, and hand rail. Novawood laminated boards are bonded together with MUF (Melamine Urea Formaldehyde) glue, which is an enduring glue type for the outdoor weather conditions. Enjoy the privilege of eaching dimensions that are not possible to reach in traditional wood applications through the lamination process



FINGER JOINT

Finger-joint materials are produced in our production lines reserved only for this process. The teeth opened on the heads of the wood with special profile blades are combined with MUF (Melamine-Urea Formaldehyde) adhesives suitable for outdoor usage. As a result of this process, we receive longer and fixed-length products. You will be amazed by the visual feast consisting of the combination of the short pieces of 20 cm and 100 cm with MUF glue. Products with finger joints can be easily used in sunshades, claddings, carcasses, and pergolas



Private Residence / Cyprus
Nova-Ash F/J Lamine Sunshade
Nova-Iroko Decking



WHAT IS BURNBLOCK® ?

Burnblock is a highly effective and non-toxic fire retardant application. Burnblock consists of completely natural ingredients in its patented formula. Thanks to the Burnblock process, oxygen is effectively prevented from reaching the wood cells and combustion cannot occur without oxygen. Burnblock is a highly effective and well-documented fire retardant. It is an application that does not leave any stains or marks, when applied correctly and makes the processed material ready for the next operations. Burnblock absorbed by the material being processed is left behind a surface that chars and can release water when heat is applied. This process absorbs some of the heat and helps prevent further fire occurrence and spread. Materials treated with burnblock are therefore protected against burning and flame spread. In order to ensure full fire resistance, Burnblock application must be sufficient not only on the wooden surface, but also on the sub-construction and all other materials (sub-construction, insulation, anchorage, etc.).

Burnblock complies with all international fire resistance standards.

Burnblock has tested and graded its wide range of tree species to the highest possible standard; EN13501-1:2007 - EN14135 , EN45545:2015 R1&R10

Is Burnblock a harmful practice for health?

The application of Burnblock does not require special safety equipment for health reasons, but some data indicate slight irritation if Burnblock accidentally comes into direct contact with the eyes. The Danish Institute of Technology considers this effect to be less than that of natural lemon and fruit juice. No significant health risks due to Burnblock ingredients are listed in the Danish Institute of Technology's Health Assessment.



Wood Specie	Density	Min. Thickness	Ventilated cavity	Reaction to fire-class
Nova - Ash	590-680	15-42 mm	40 mm	B - s1, d0
Nova - Pine	450-500	15-42 mm	40 mm	B - s1, d0
Nova - Ayous	269-374	15-42 mm	40 mm	B - s1, d0
Nova - Tulipwood	350-500	15-42 mm	40 mm	B - s1, d0
Nova - Iroko	576-650	15-42 mm	40 mm	B - s1, d0

FIRE CLASSIFICATIONS			
Grades	Smoke Formation	Fire Spread	Performance
A	-	-	Advanced Level
B	s 1	d 0	Top Level
C	-	-	Upper Intermediate Level
D	-	-	Intermediate Level
E	-	-	Low Level
F	-	-	None

Burnblock : Environmentally friendly and sustainable fire resistancefire

CERTIFIED

cradle to cradle

GOLD

BURNBLOCK Fire Retardant Powder

BURNBLOCK

Version 3.1 / Renewel

	Basic	Bronze	Silver	Gold	Platinum
MATERIAL HEALTH				✓	
MATERIAL REUTILIZATION				✓	
RENEWABLE ENERGY				✓	
WATER STEWARDSHIP				✓	
SOCIAL FAIRNESS				✓	

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

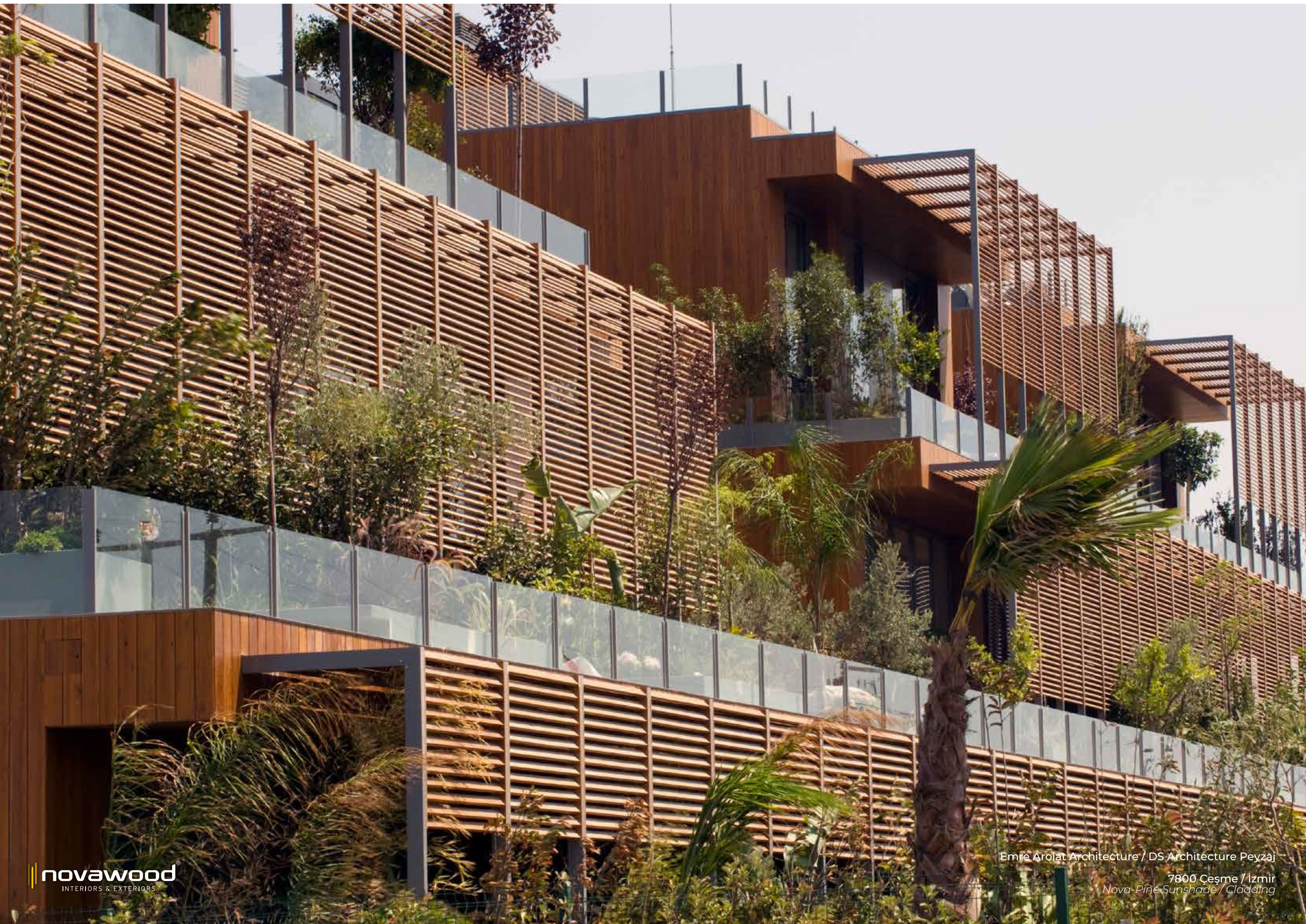
Generally, wooden products require periodic checks and maintenance for sustainable usage comfort, and optimal service life. Maintenance is not merely a technical pleasure but a necessity. When maintaining, avoid removing old paint/varnish; instead, clean the surface thoroughly with sandpaper to eliminate 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.



Emre Arolat Architecture, DS Architecture Peyzaj

Vicem Villas / Bodrum
Nova-Iroko Sunshade / Decking











- AFGHANISTAN

• ALBANIA

• ANTARTICA

• AUSTRALIA

• AUSTRIA

• AZERBAIJAN

• BAHRAIN

• BELGIUM

• BOSNIA AND HERZEGOVINA

• BULGARIA

• CANADA

• CHINA

• COLOMBIA

• CROATIA

• CYPRUS

• CZECH REPUBLIC

• DEMOCRATIC REPUBLIC OF THE CONGO

• DENMARK

• DJIBOUTI

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• SAUDI ARABIA

• SERBIA

• SINGAPORE

• SLOVAKIA

• SOUTH AFRICA

• SOUTH KOREA

• SPAIN

• SWEDEN

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• TAJIKISTAN

• THAILAND

• UAE

• UGANDA

• UKRAINE

• UNITED KINGDOM

• USA

• UZBEKISTAN

• VIETNAM





Rooted in sustainability , crafting a greener future



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