



CLADDING 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 thermal
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.



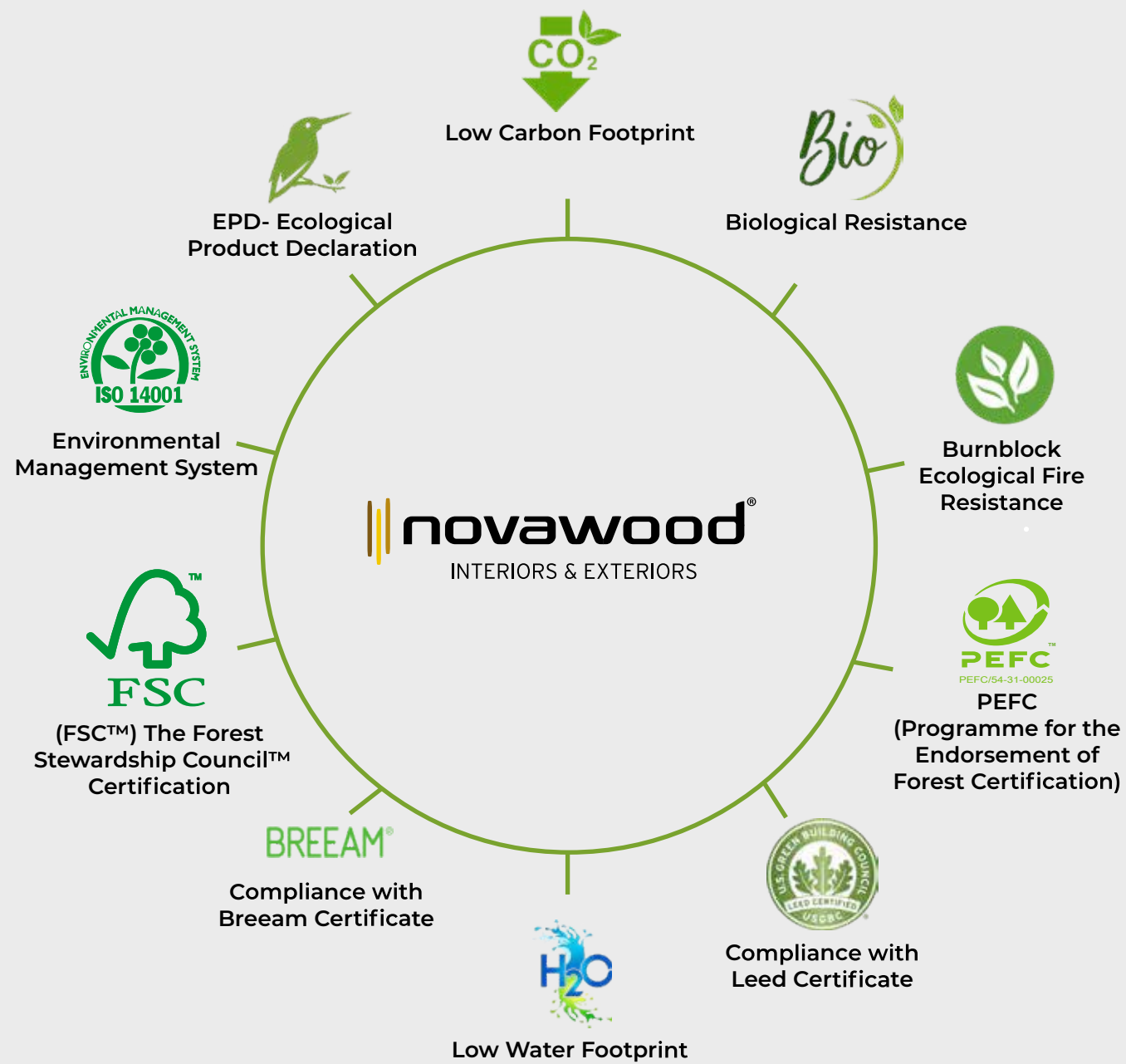
This certificate confirms that Novawood's activities and productions are in accordance with Turkish standards as well as showing that the production place of certified products meets the requirements of the institute.



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-Claddings are long-lasting and stable, allowing for horizontal and vertical applications with its size and profile options.

Thus, while supporting the design and aesthetic appearance of your buildings, it also provides a high resistance to all weather conditions.



NOVA
CLADDING



NOVA-ASH CLADDING

Ash is a hardwood with a high number of grains, and features an elegant look with its wavy texture. These features make Nova-Ash Cladding a multipurpose, aesthetic and durable material. If you seek an elegant look to highlight your buildings, durable and reliable Nova-Ash cladding is the right choice.



novathermowood[®] Ash cladding provides a flawless appearance and durability due to its wavy texture, performance and structural feature.

DIMENSIONS

Thickness (mm)	Width (mm)	Length (mm)
8	90 / 130	800 - 3600
10	90 / 130	800 - 3600
20	92 / 100 / 115 / 130 / 150 / 160 / 180	800 - 3600
25	130 / 150	800 - 3600

Mert Uslu Architecture
Photo, ZM Yasa

Sasalı Biolap / İzmir
Nova-Ash Cladding



NOVA-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.



novathermowood 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

Studio Vertebra Architecture
Photo, Sena Özfiliz

Novawood Head Office / İstanbul
Nova-Iroko Cladding



NOVA-PINE CLADDING

Being one of the most abundant tree species in the nature, the pine is transformed into Nova-Pine cladding through the thermowood process to present you the most natural one in the best way. It offers an ideal solution for those who seek a natural look on their facades and can't resist the charm of pine.

“
novathermowood[®] It's knotty structure is preferred by those who love the traditional. With it's unique harmony with the nature, perfect adaptation to all weather conditions, cost-benefit balance, Nova-Pine claddings are carefully produced for your buildings.

DIMENSIONS

Thickness (mm)	Width (mm)	Length (mm)
15 / 16	92	1000 - 5100
18 / 19	92 / 118 / 120 / 138 / 140	1000 - 5100
20	92 / 118 / 120 / 138 / 140	1000 - 5100
26	92 / 118 / 120 / 138 / 140	1000 - 5100
42	92 / 118 / 120 / 138 / 140	1000 - 5100



NOVA-TULIPWOOD CLADDING

Tulipwood is classified as a hardwood specie which is the basic tree type of sustainable forests. Its plain grain structure, dark caramel color and lightweight will add a different perspective to outdoor usages. We call it 'authentic' because of its plain surface and distinctive structure.



novathermowood[®] Due to its ability to be obtained in long length proportions, it is preferred in construction sites by providing ease of planning.

DIMENSIONS

Thickness(mm)	Width (mm)	Length (mm)
20	130 / 150	1200 - 4200



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.



nova^{thermowood} 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

BAD Design

Paşalimanı 1450 / İzmir
Nova-Ayous Cladding



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

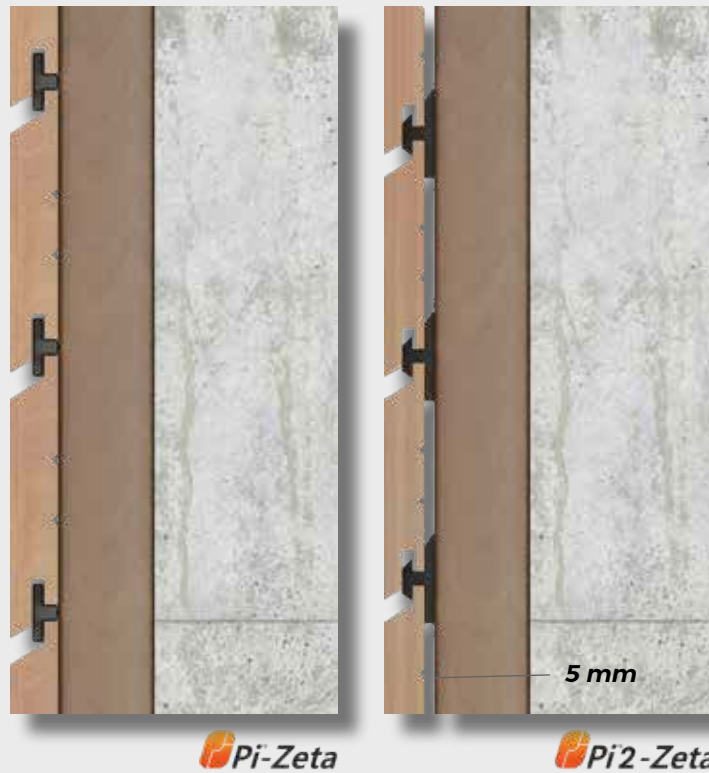


THETA



NODO

Pi-Zeta / Pi2-Zeta



Experience the difference of our specially designed Pi-Zeta and Pi2 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

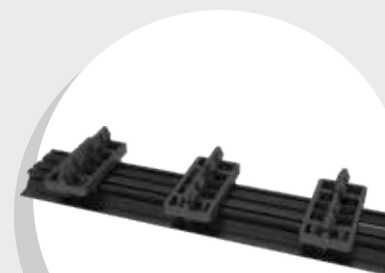


Pi2-Zeta

Pi-Grad / Pi-Grad Rail

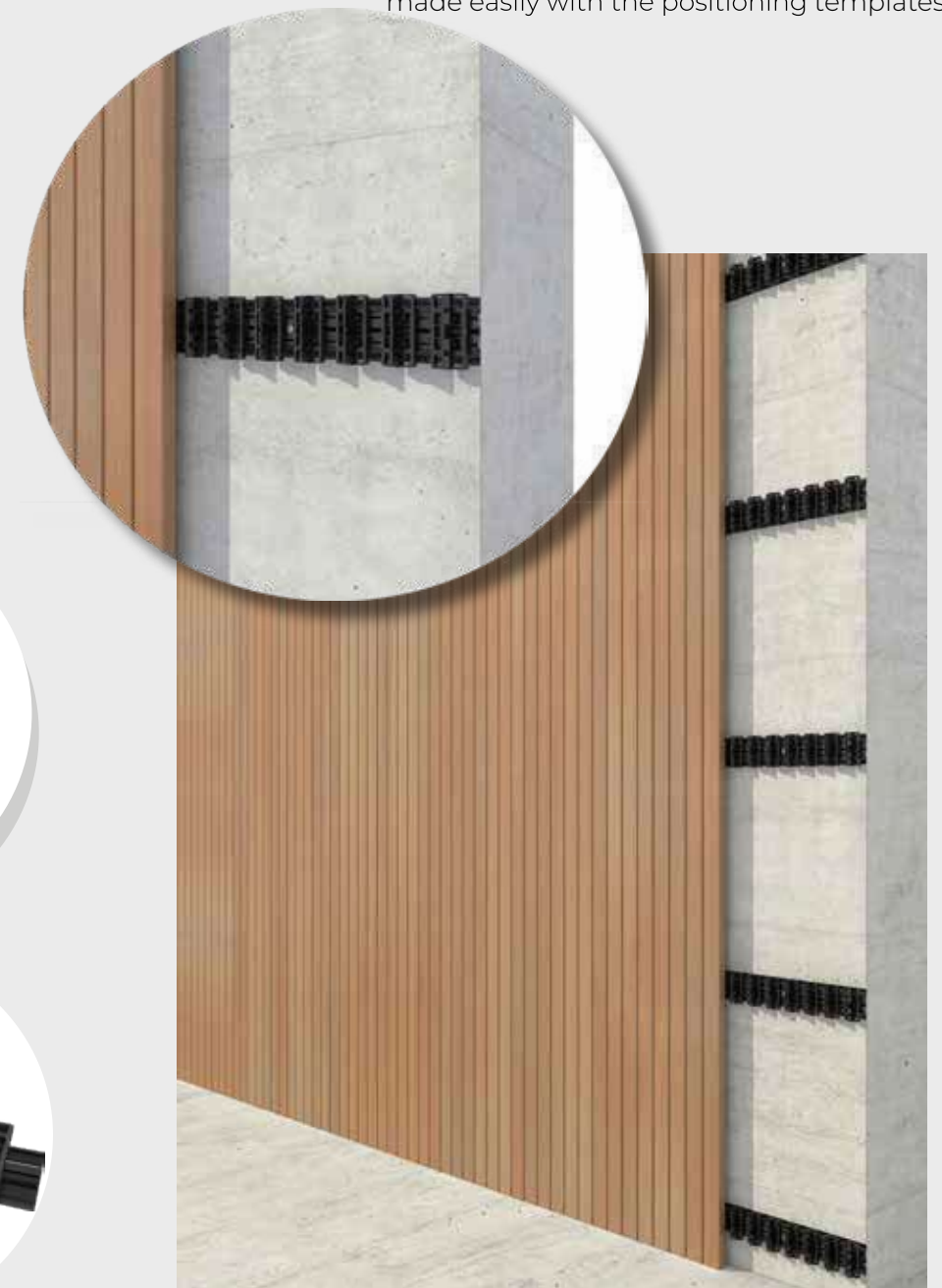


Pi-Grad



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.

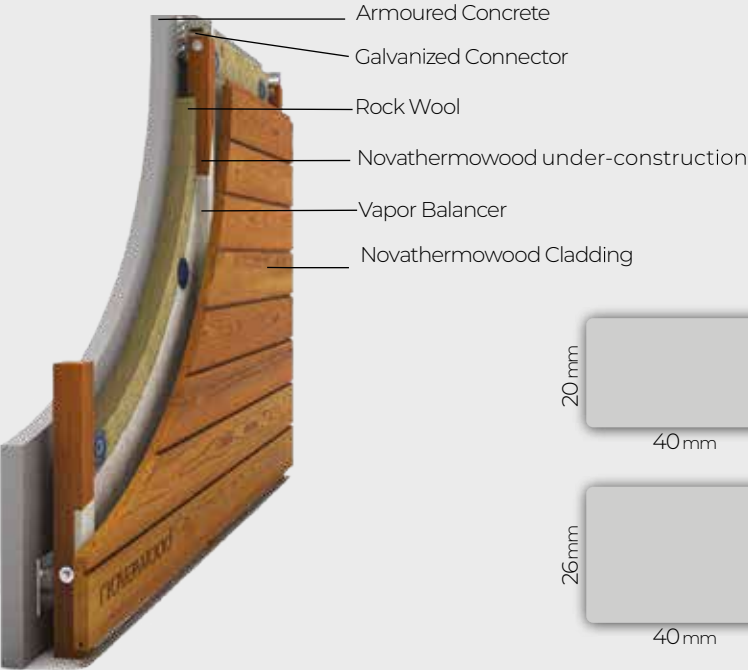


UNDER-CONSTRUCTION

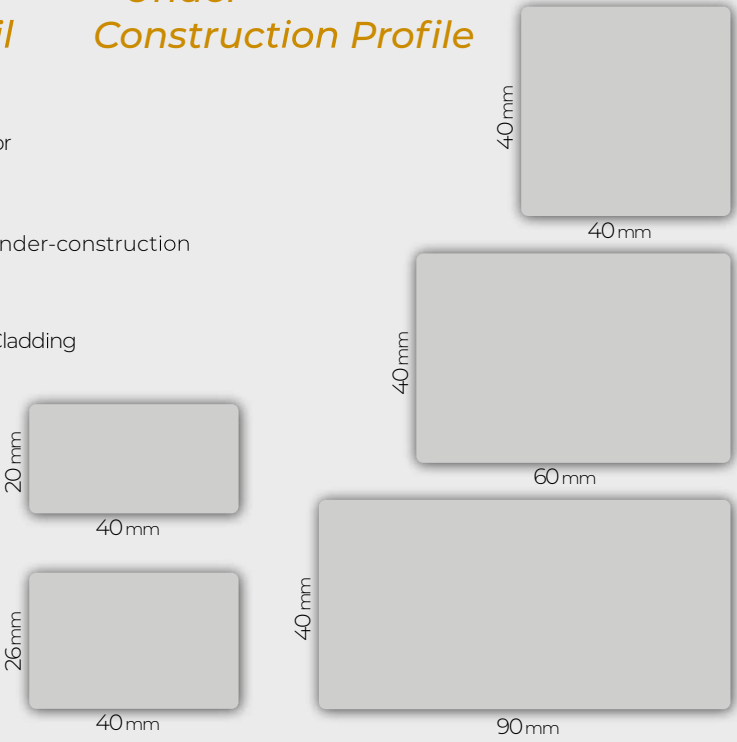
Novawood creates under-construction solutions in various sizes in order to ensure that the substructure of your cladding are the right products that you get the optimum benefit in your applications. Under-construction forms the base of the cladding, which necessitates utmost care in the selection of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

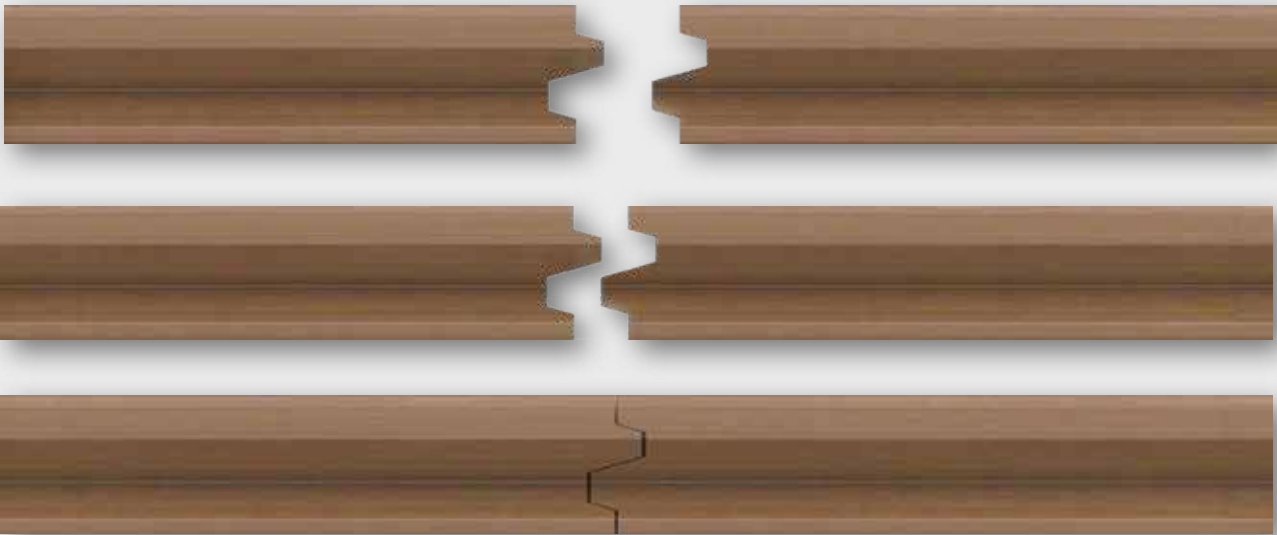
END-MATCHING

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.



NOVA-SAHARA

We are ready to go beyond the ordinary with our Sahara surface. With its wavy texture reminiscent of the desert sands, Nova-Sahara provides massage comfort in every step you take and makes you feel the privilege of being different and special.

It can be applied to all sizes and thicknesses.



NOVA-VINTAGE

Nova-Vintage surface treatment brings the rustic nature to your spaces with Novawood quality. By adding a rustic-looking effect, we harmonize the natural space designs with the nature. Nova-Vintage surface finishes are obtained with a special technology. The appearance of Nova-Vintage is attained with the special knots, cracks and tree essence effects that have been aged in the wood from the first day.

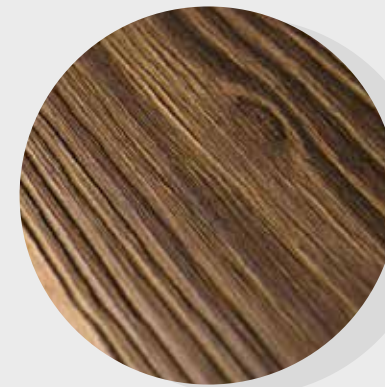
It can be applied to all sizes and thicknesses.



NOVA-BRUSHED

Nova-Brushed surface highlights the texture of the wood in decking and cladding products, allowing you to feel the naturalness more in the living spaces. The soft parts of the annual rings which are inherited in the wood are removed by applying a secondary process with a special brushing method. Thus, we make the hard texture of the tree more noticeable. Using this method even on the woods with covering paints emphasize the naturalness and the texture of the wood itself.

It can be applied to all sizes and thicknesses.



NOVA-OILING

Transparent Colored Oil:

It is crucial to treat the wooden surfaces of Novathermowood cladding with a high-quality semi-transparent colored oil that does not form a film, is water-repellent, lead-free, easy to maintain, and contains pigments resistant to UV rays. Apply one coat on all wood surfaces before installation, followed by a total of two coats, following the guidelines in the provided 'Technical Data Sheet of manufacturer.'



First Layer

Second Layer

Transparent Colored Varnish:

It is crucial to treat the wooden surfaces of Novathermowood cladding with a high-quality semi-transparent colored oil that does not form a film, is water-repellent, lead-free, easy to maintain, and contains pigments resistant to UV rays. Before Novathermowood cladding installation, apply one layer of primer and colored varnish to all sides for extended service life. Add a second varnish coat to the front surfaces. During application, ensure a total of one primer coat and two colored varnish coats, following guidelines in the provided 'Technical Data Sheet' from the varnish manufacturer.



Primer

First Layer

Second Layer

NOVA-CROCO



Shou Sugi Ban, derives from an ancient Japanese exterior cladding treatment used to preserve the wood by charring it with the fire. The process forms a carbon layer on the exterior of the boards which protects the timber and reduces the maintenance need. Unlike this manual burning process, Nova-Croco is created with a unique process in a production line where the temperature rate is standardized. The special black texture of Nova-Croco is created not only by burning, but by applying a special solution in advance.

Afterwards the oil treatment is applied to the surface with a special varnish compatible with the exterior conditions. Thus, a semi-dull glossy appearance is obtained on the surface and the surface breakages are minimized. Discover Nova-Croco's nicely curved surface, unique beauty and special black texture.

For ash and pine trees, Nova-Croco application can be made in the desired size.



novathermowood The new trend of facade cladding is waiting for you to be used in your black surface Nova-Croco designs and applications.

Nova Croco



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 I Institute of Technology's '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

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

BasicBronzeSilverGoldPlatinum

MATERIAL HEALTH

MATERIAL REUTILIZATION

RENEWABLE ENERGY

WATER STEWARDSHIP

SOCIAL FAIRNESS

38

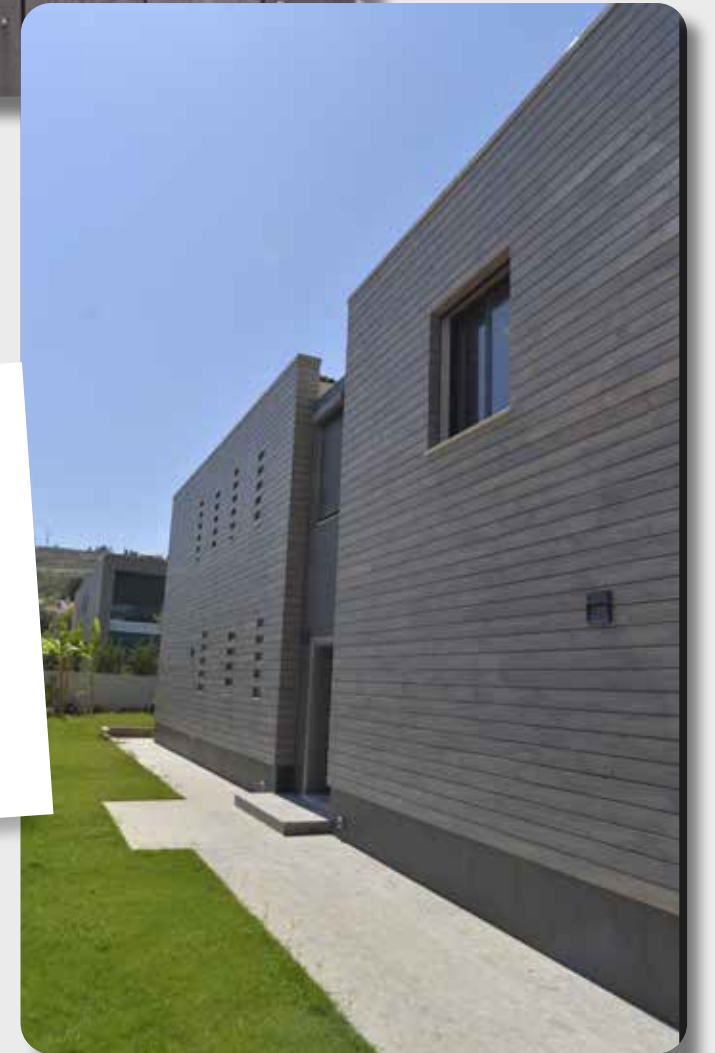
NATURAL-AGING



For those who are looking to get a vintage natural look at their spaces, the wood can naturally age by turning gray after being exposed to sunlight normally. When our wood is not regularly maintained, it will still preserve its beauty by providing a unique rustic look.



Natural-aging displays are everlasting, which are suitable for both traditional and modern designs, and create a noble appearance without any chemical performance application.



ANB Architecture / Studio Bems

Bodrum Kalesi ve Sualtı Arkeoloji Müzesi
Nova-Ash Decking

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.









Uygur Architecture
Photo: Cemal Emden

Ted Koleji Vakfı Okulları / Ankara
Nova-Pine Cladding









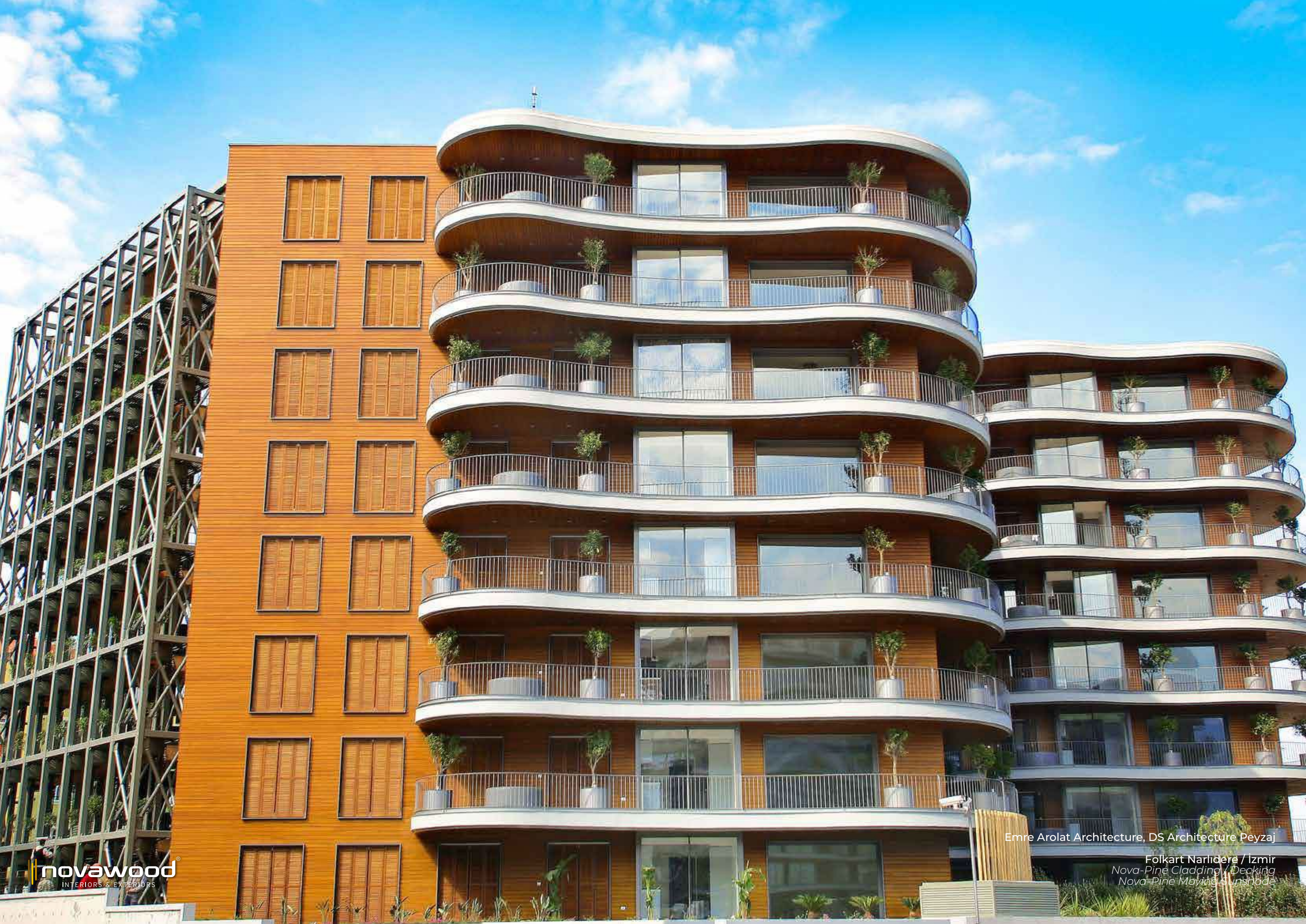




Emre Arolat Architecture, DS Architecture Peyzaj

Vicem Villas / Bodrum
Nova-Iroko Sunshade / Decking





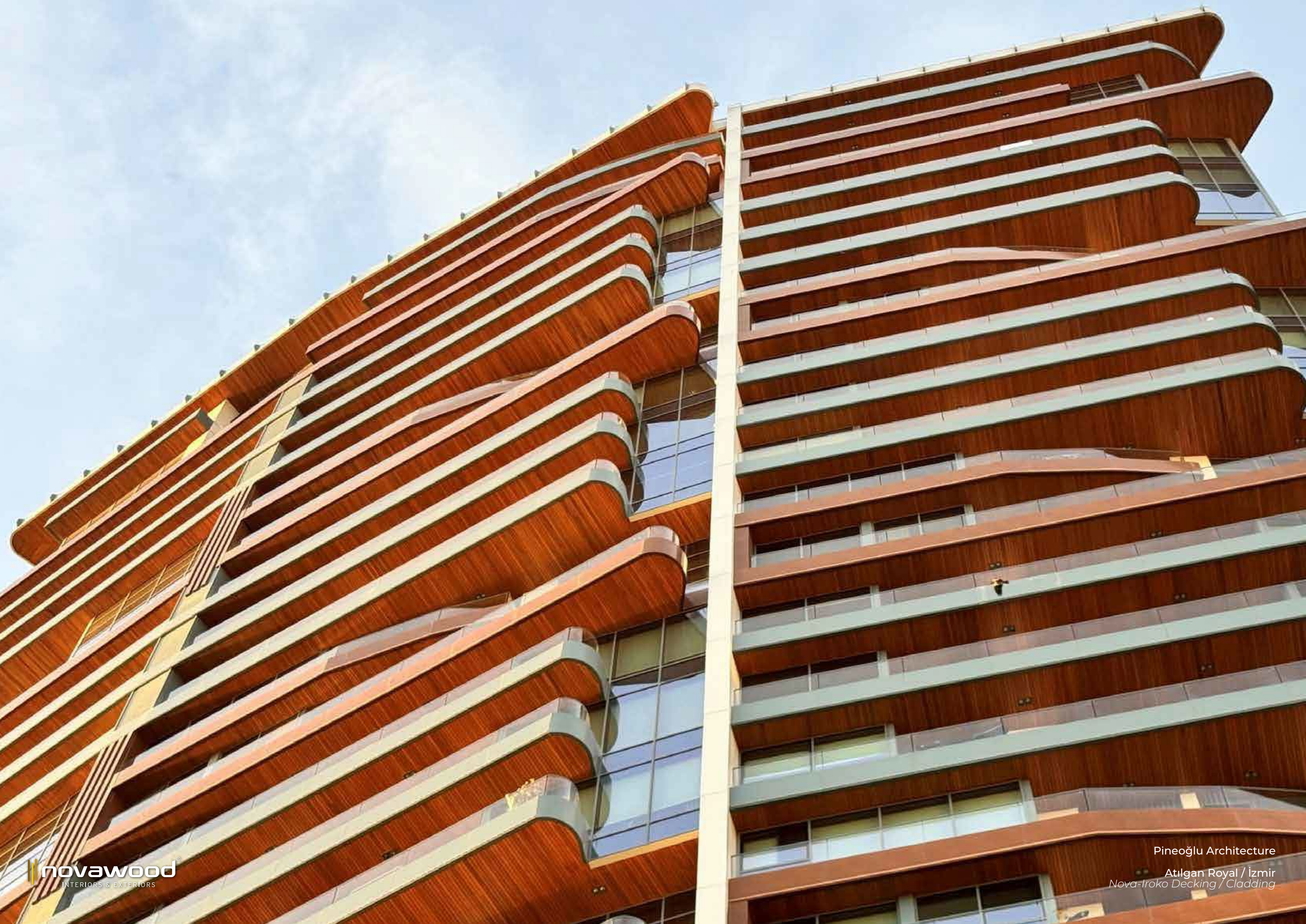
Emre Arolat Architecture, DS Architecture Peyzaj

Folkart Narlıdere / İzmir
Nova-Pine Cladding / Decking
Nova-Pine Moving Sunshade











- 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

• EGYPT

• ESTONIA

• FINLAND

• FRANCE

• GEORGIA

• GERMANY

• GHANA

• GREECE

• HONG KONG

• HUNGARY

• INDIA

• IRAN

• IRAQ

• ISRAEL

• ITALY

• JAPAN

• JORDAN

• KAZAKHSTAN

• KOSOVO

• KUWAIT

• LEBANON

• LIBYA

• LIECHTENSTEIN

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• PALESTINE

• PHILIPPINES

• POLAND

• PORTUGAL

• QATAR

• ROMANIA

• RUSSIA

• SAUDI ARABIA

• SERBIA

• SINGAPORE

• SLOVAKIA

• SOUTH AFRICA

• SOUTH KOREA

• SPAIN

• SWEDEN

• SWITZERLAND

• TAJIKISTAN

• THAILAND

• UAE

• UGANDA

• UKRAINE

• UNITED KINGDOM

• USA

• UZBEKISTAN

• VIETNAM





Rooted in sustainability , crafting a greener future



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