

ALUMINCO®

We \

Design

Change



For over 42 years, we have been crafting innovative solutions for architectural aluminum systems, proudly representing Greek quality in more than 60 countries.

Global trends such as increasing urbanization, the blending of professional and private life, and heightened environmental consciousness are shaping the future of the construction industry and the aluminum products market.

At ALUMINCO, our mission is to promote sustainable architecture that equally values socio-cultural, economic, and ecological factors, striving to harmonize people, spaces, and the environment.

We take pride in designing many of our aluminum systems to meet modern standards for thermal comfort, natural lighting, energy efficiency, and enhanced ergonomics. Our systems also excel in sound insulation, safety, and sustainability, aligning with the rigorous requirements of international LEED and WELL certifications for building design.



Greater than Freedom

Things are constantly shifting in the construction industry. In this new era, aluminum is present on many different types of buildings, from skyscrapers in the metropolitan areas to secluded, luxury sheds. Sustainability is a top reason due to aluminum's high curb appeal and low carbon footprint. At the same time, modern aluminum alloys can easily support the weight of heavy glass spans, thus maximizing the building's capability for using natural sunlight. Innovative door and window designs enhance thermal efficiency. But also give a unique look, offering an uninterrupted perspective from inside out, immediately connecting the interior with its surroundings. Accommodating a range of designs, aluminum lets the view speak, whether urban or in the heart of unspoilt nature.

01 Architectural Systems

- SKYLINE SL55 FH The Infinity
- FD75 The Minimal Fold

02 Outdoor Living Systems

- Freedom Bioclimatic Pergola
- Crystalline Slim Line HD
- Fusion Line Linea V Series

- Linear Gates & Fences
- Wave Gates & Fences

03 Cladding Systems

- Wall&Deco
- Xpand Meshes / Perforated Panels

01

Architectural Systems

Aluminium architectural systems are at the top line of our product range, with an undisputable quality and performance, surpassing any expectations. Our goal is to provide systems which combine ergonomic design, comfort, security and energy efficiency, which is so important to every segment of our market.



SL55 FH ↘

The Infinity

The Full Handle Edition

The SL55 Infinity is a top-notch proposal for structures in absolute minimal design. All design elements increase the degree of freedom enjoyed by developers and architects to make attractive and effective buildings so that people can live in greater comfort, more style, and infinite views.

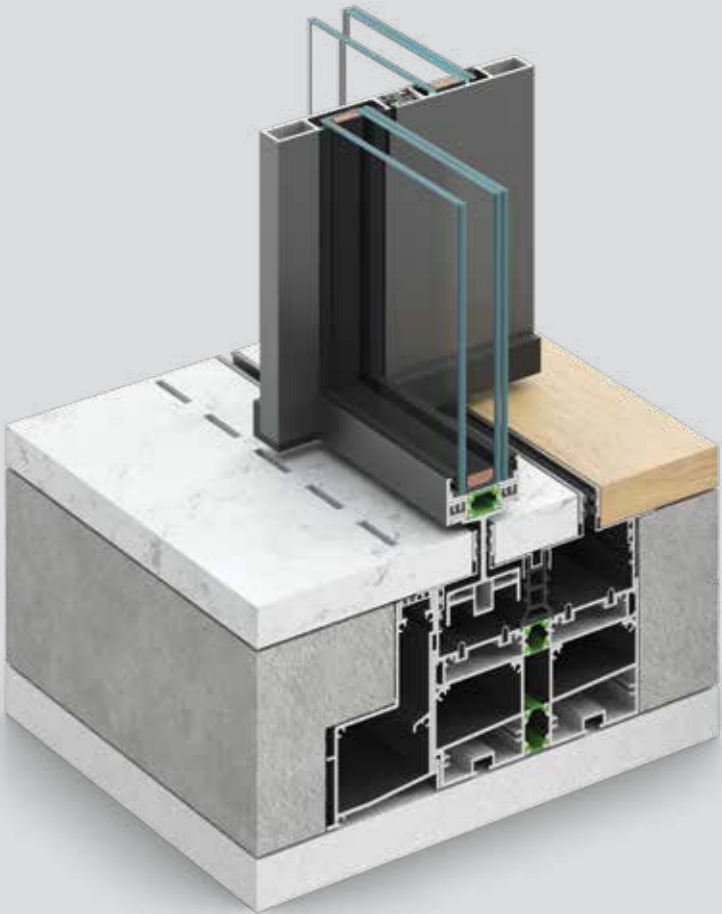
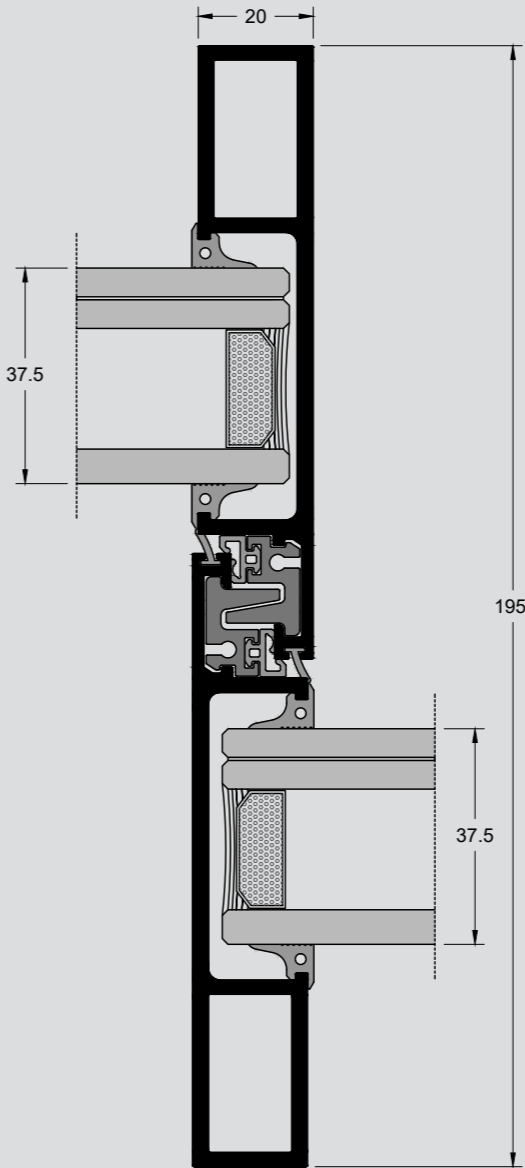


Highlights

- Minimal design for modern architecture
 - Impressive transparency and maximum light penetration
 - Exceptional thermal and acoustic insulation
 - Wide open spans maintain the sleek minimal look
 - Expanded range of tracks fulfil countless architectural desires
- Designed handle and multi-point locking system
 - Roller system that allows smooth sliding and operation
 - Ideally suited for luxury residential and commercial environments

Technical Data ↘

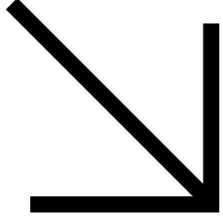
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|---|--|
| ● Exterior Aesthetics | → Flat / Minimal with concealed frames and flush-fitted threshold |
| ● Track Editions | → Hidden sash / Visible sash / Flat track / Low flat track / Hidden track / Visible full handle |
| ● Frame Depth | → 150 mm |
| ● Sash Depth | → 55 mm |
| ● Face Height (Flat Track Edition) | → 41 mm |
| ● Visible Aluminum Face Width (Interlock) | → 20/25 mm |
| ● Visible Aluminum Face Width (Meeting Stile) | → 60 mm |
| ● Maximum Sash Surface | → Up to 12 m² per sash |
| ● Maximum Sash Weight | → Up to 400 kg per sash |
| ● Sealing Method | → Perimetrical, with 2-level of silicone treated weather strips |
| ● Hardware | → Aluminco Multipoint locking, ALUMINCO Roller system |
| ● Glass Type | → Double / Triple |
| ● Glass Thicknesses | → From 37.5 mm to 41.5 mm |
| ● Type Of Insulation | → Polyamides up to 32 mm |
| ● Configurations | → Horizontal sliding sashes, Multiple tracks, Meeting stile, Sliding into the wall cavity, Corner typologies, Combinations with fixed lights, Combinations with fly-screen |



Performances ↘

| | |
|------------------------|------------------------------|
| ● Thermal | → Uf values from 1.4 W/(m²K) |
| ● Air Permeability | → Class 4 |
| ● Water Tightness | → Class 6A |
| ● Wind Load Resistance | → Class B3 |
| ● Acoustic | → 45 dB |

FD75



The Minimal Fold

Introducing the ultimate solution for modern, space-conscious living: The FD75 Minimal Folding Door System is an insulated folding system, maximizing natural daylighting and granting enhanced views with outstanding performance levels. Designed with precision and elegance, this innovative door system redefines how you experience your spaces. With its slim profile and bottom slide operation, it blends effortlessly into any interior, offering a sleek aesthetic without compromising functionality. Whether enhancing natural light, creating open-plan layouts, or maximizing compact areas, the FD75 Minimal Folding Door System delivers unmatched versatility. Crafted from best-in-class materials, it ensures durability, smooth operation, and a minimalist appeal that complements contemporary architecture. Transform your spaces with a design that's as practical as it is sophisticated.



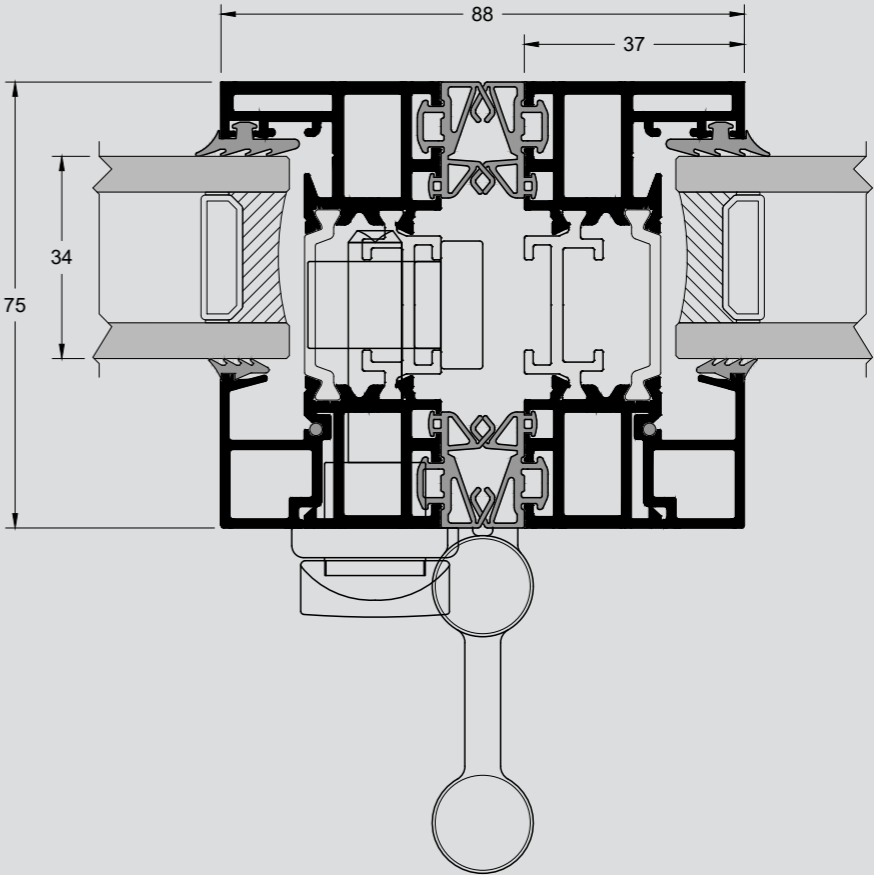
Highlights

- Ultra-thin frames for a sleek, modern aesthetic
- Maximized glass panels for brighter spaces
- Smooth Folding operation with precision-engineered rollers
- Ideal for compact areas and open-plan layouts
- Seals to ensure thermal efficiency and protection
- Blends harmoniously with contemporary interiors



Technical Data ↘

| | |
|----------------------------------|-------------------------|
| ● Exterior Aesthetics | → Flat / minimal design |
| ● Bottom Track Height | → 55 mm |
| ● Frame Height (Horizintal Top) | → 100 mm |
| ● Frame Height (Vertical) | → 55 mm |
| ● Sash Height (Vertical) | → 37 mm |
| ● Sash Height (Horizintal) | → 37 mm |
| ● Sash Width | → 75 mm |
| ● Sash To Sash Visible Aluminium | → 88 mm |
| ● Maximum Sash Width | → 1500 mm |
| ● Maximum Sash Height | → 4000 mm |
| ● Maximum Sash Weight | → 200 Kg |
| ● Type Of Insulation | → Polyamides 18 mm |



02

Outdoor Living Systems

Outdoor living systems such as railings, windscreens, pergolas, verandas, gates, fences, canopies and lighting and garden furniture, in a wide range of models and designs, offer complete solutions in the modern architectural design of homes and business premises.



Freedom

The Bioclimatic Pergola

Freedom is Aluminco's bioclimatic pergola system which uniquely combines design details, advanced support systems and increased 'bioclimatic' enjoyment to satisfy all desires for outdoor and semi-outdoor spaces in residences, hotel complexes and dining areas.



Highlights

○ **Impressive in every detail**

Uncover an unmatched combination of practical details, balanced structural elements and technological solutions that provide high added value, improved efficiency, and unparalleled durability.

○ **Increased functionality**

The noiseless rotation mechanism ensures smooth operation, always reliably and at full efficiency!

○ **Increased sealing**

Impenetrable shielding from heavy rainfall, providing an environment of protection and comfort!

○ **Increased stability**

Design innovations contribute to the most comprehensive level of sturdiness and safety!

○ **Certified performances**

Effective shading and protection from TÜV AUSTRIA and IFT ROSENHEIM!

Freedom in Numbers

The Freedom Bioclimatic Pergola owes its performance to the functional design for a simple and rationalized daily use. These are structures made of aluminium and high-quality certified components, all of which guarantee durability and reduced maintenance.

Technical Data ↘

| | |
|-----------------------------|---|
| ● Louvers angle | → 0-135° |
| ● Column dimension | → 120 x 120mm |
| ● Louvers dimension | → 215 x 50mm |
| ● Maximum dimensions* | → Height 3m, Width 4.5m, Length 6m |
| ● Rotation mechanism | → Hidden |
| ● Structures configurations | → Free standing, wall mounted, embedded |
| ● Extras | → Led Lighting at Transoms |
| | → Spot Lighting at Louvers |
| | → Rolling Fabric Screen |
| | → Top-hung Shading Shutter |
| | → Sound System |
| | → Heating System |
| | → Wind/Rain/Snow Sensor |

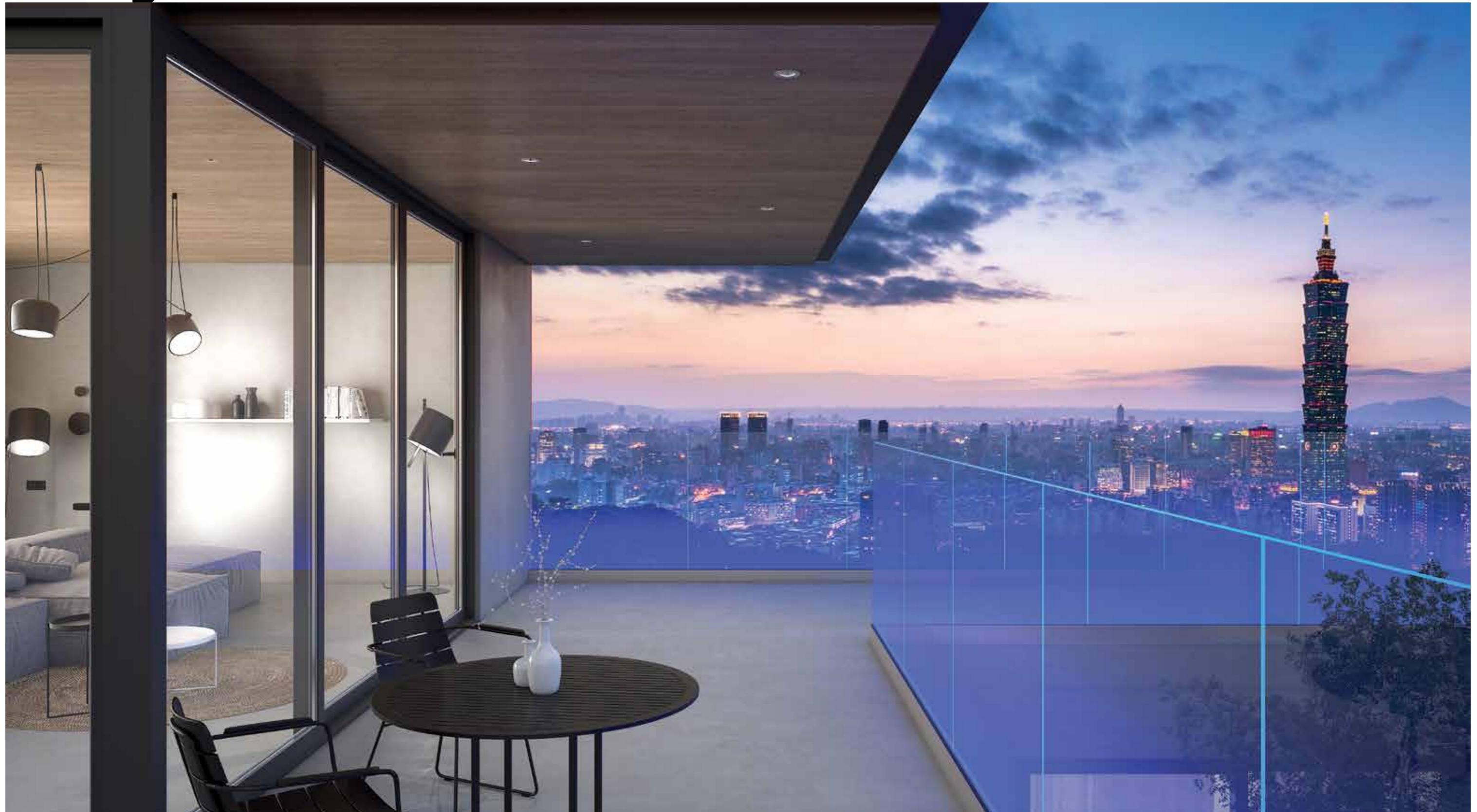
*In a self-supporting typology (without wall support) with only four posts

Outdoor Living Systems –
Glass Balustrades

CrystalLine

The Slim Line HD Top Mount

Crystal Line edition, Slim Line TOP MOUNT, is so slim, elegant and durable, with the best quality - to price relation, a glass railing could never be more attractive. Thanks to the excellent engineering, you save time and frustration with this premium performance, your projects become a statement. Designed for light to medium use ($\leq 1 \text{ KN/m}$) is suited both for indoor and outdoor applications. Ideal for private residences, offices, shops and more.



FusionLine

The Linea V Series

Introducing our Linea V Series, the epitome of sleek design and efficiency. Crafted for contemporary aesthetics, these railings feature clean, minimalist lines and lightweight, durable components. Ideal for residential and commercial spaces, the series offers a blend of style, functionality, and speed, redefining the installation experience with ready-to-install modules.



Highlights

- Sleek Linear Design: Clean, modern lines perfect for enhancing contemporary spaces.

○ Attractively Priced: Designed to deliver modern style and functionality without breaking the budget.

○ Versatile Design Options: Choose from a range of popular railing designs to match your project needs.

○ Customizable Solutions: Personalize your railings with WD Cladding profiles for a stunning, tailor-made look.
- Broad Application Scope: Perfect for private homes, multi-unit developments, and large-scale projects.

○ Seamless Aesthetics: No visible welds or screws ensure a clean, polished appearance.

○ Time & Cost Efficiency: Save time and money with our pre-assembled, ready-to-install modules—just anchor them on-site for immediate results.

Technical Data ↘

| | |
|--|--|
| ● Designed for | → Light to medium use, indoor and outdoor |
| ● Suitable for | → Top and side mount |
| ● Domain for application as a railing or a fence | → Private: Houses, Residences, Villas → Commercial: Offices, Shops, Retails |
| ● Designed for | → Medium to heavy use → Indoor & Outdoor |
| ● Domain for application | → Private: Houses, Residences, Villas → Commercial: Offices, Shops, Retails |
| ● Infill | → Vertically positioned profiles |
| ● Material | → Aluminum EN AW 6060-T6 / 6063-T6 |
| ● Prefix options | → Cutting, drilling, powder coating and preassembly |



The Wave Solution

For those who want their fence / gate to stand out of the ordinary, we have many tailor-made solutions for you! Contemporary or Classic, the choice is yours. Our range can satisfy your needs and make your outdoor area safe and beautiful. Personalize your outdoor space with this new product range and create that certain something extra or the “WOW effect” for your property.

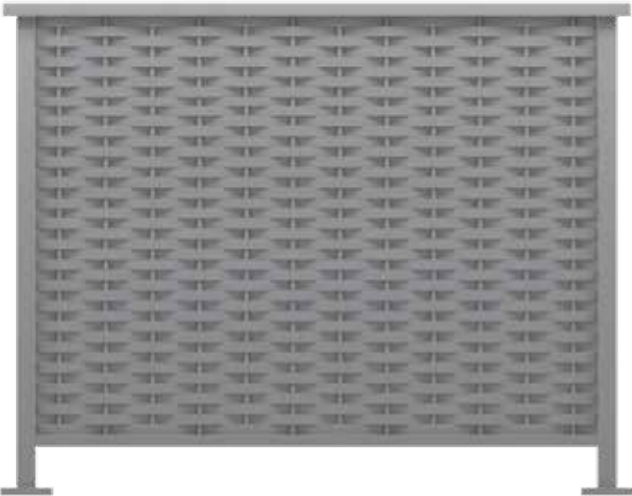


Outdoor Living Systems – Gates & Fences

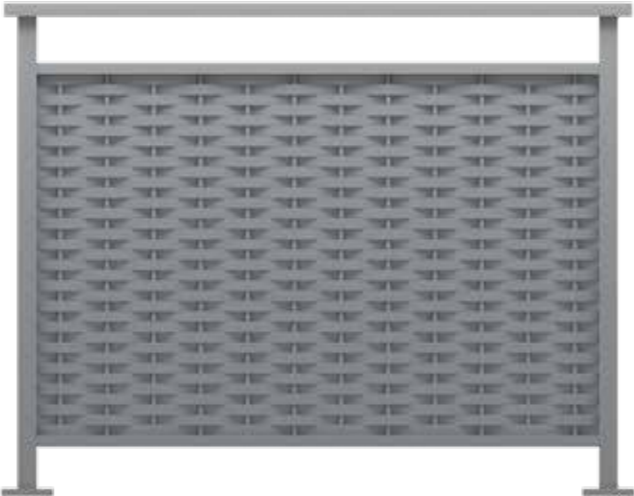
Wave series is giving super privacy on the covered area – mostly applied on fences and gates. Its pattern is available in aluminum sheet W100 and reinforced aluminium sheet W101 due to the additional vertical aluminum bars.

Technical Data ↘

| | |
|----------------------|---------------|
| ● Strand width | → 21.5 mm |
| ● Overall thickness | → 14.5 mm |
| ● Dimensions (W x H) | → 2000 x 1000 |



CLS WAVE 1



CLS WAVE 2



The Linear Solution

Designed to perform and catch the attention of both owners and visitors, the brand-new Linear Series meet the highest demands of today's architecture for modern living outdoor spaces. With the moto "less is more" in mind, the Linear Series has become the icon of a contemporary home. Slender aluminium profiles, horizontally aligned, create a stylish living environment, offering protection and freedom in equal measures.



03

The Cladding Systems

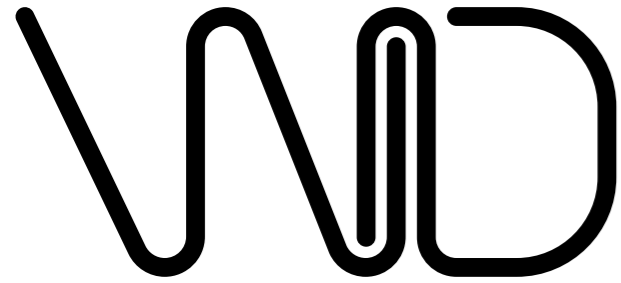
Cladding Systems offer versatile design options and superior finishes, enabling the creation of dynamic facades for new constructions or stunning renovations of existing buildings. They are quick and easy to install without visible joints or supports, require no maintenance. These systems seamlessly combine aesthetics and functionality, creating a harmonious and impressive architectural result.



WD Wall Cladding

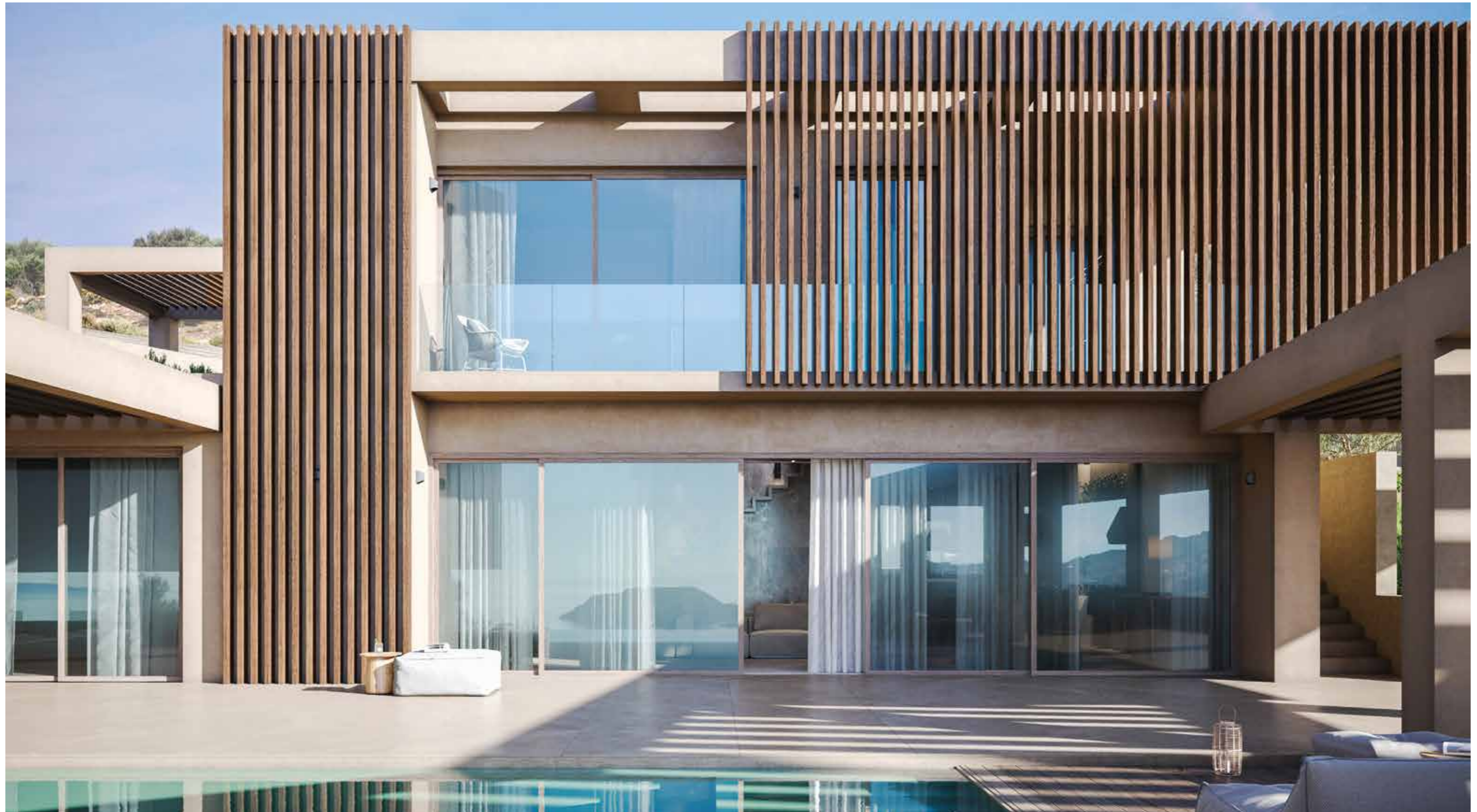
Wall & Deco Cladding Systems make a difference at all levels. It is a lightweight system, which provides coverage of large surfaces, applied both to the exterior and interior of buildings, enhancing the overall aesthetics and upgrading the energy levels. Designed in minimal line and in numerous decorative variants, WDs provide a high degree of freedom in the design process of a space, applying perfectly well in modern buildings with a unique style.





Deco Cladding

Wall&Deco offers numerous decoration and shading options, both for the exterior and interior of buildings. Designed for versatile use, they provide a variety of applications and aesthetic results. They are available in various sizes, offering flexibility for building applications, with a particular focus on residences, hotels, commercial buildings, and outdoor spaces. They are widely used in construction, renovation, and the enhancement of various spaces.





Highlights

- Designed to meet the new Architectural trend.
- Provides a variety of designs in typologies, applications, colors, textures.
- Provides the ability to install LED lighting strips, allowing for endless creative customization.
- Can be fabricated easily, fast assembly, and accurate installation in masonry.
- The positioning of the profiles in each typology is achieved with hidden connections (eg hidden installation screws, invisible support base).
- Allows complex technical applications, i.e. combinations with curtain walls, windows, entrance doors, etc.
- Can be applied to walls, ceilings, doors, interior partitions, garage doors, and entrance doors.
- Suitable for large surfaces of commercial buildings, offices, and modern residences.
- Corrosion resistance, thanks to the durability of aluminum and its surface treatments.

Technical Data

| | |
|-----------------------------------|--|
| ● Profile depth | → 20-50 mm |
| ● Visible profile view width | → 20 / 30 / 40 / 200 mm |
| ● Visible visual gap | → 20 / 25 / 30 mm |
| ● Maximum visible profile surface | → 200 mm |
| ● Exterior appearance - Designs | → Five profile proposals and their combinations WD-2001 / WD-2020 / WD-2030 / WD-2040 / WD-2050 |
| ● Configurations | → Horizontal / vertical installation of the profiles |
| | → Combination between profiles |
| | → Option for LED lighting integration |

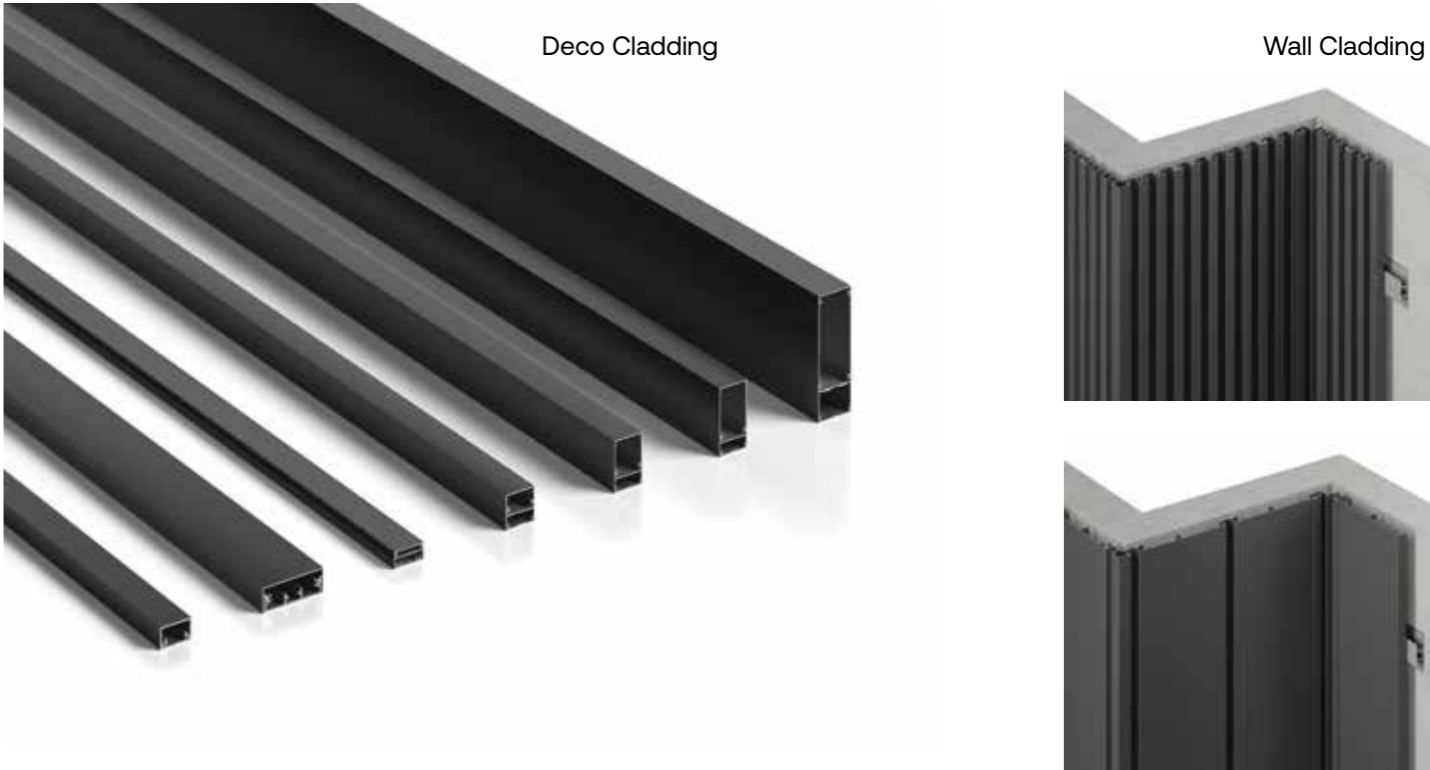
Performances

| | |
|--|-----------------|
| ● Sound reduction Rw (C;Ctr) ISO 10140-2 | → 40 (-2;-6) dB |
|--|-----------------|



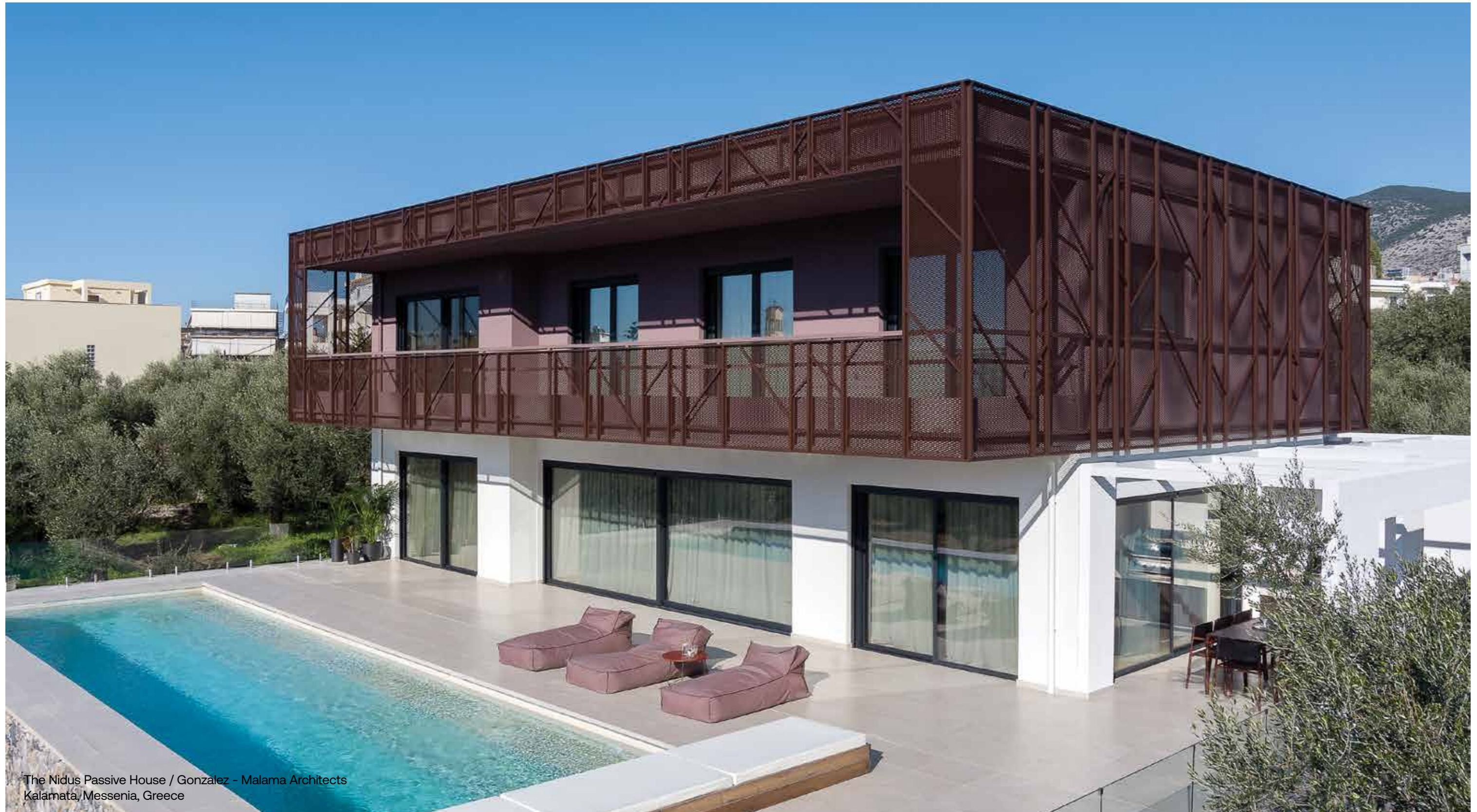
Technical Data

| | |
|--|---|
| ● Applications & uses for exterior & interior spaces | → Building façade |
| | → Shading louvers |
| | → Gates & fencing |
| | → Space dividers |
| ● Specific Uses | → Use as movable shading louvers |
| | → Use of fixed louvers for fencing and shading |
| | → Use of fixed louvers for space division and shading |
| | → Wall-mounted installation for the exterior façade of residences |
| | → Installation as an interior partition |
| | → Floor-to-ceiling installation as an interior partition |



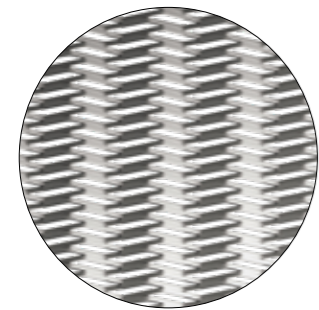
XPAND Design Meshes

One of the main highlights of the Xpand Series is undoubtedly the impressive way they 'embrace' the construction as a whole, offering a significant style. They create a kind of 'shell' around the building as a second "skin" shaping its ultimate aesthetics.

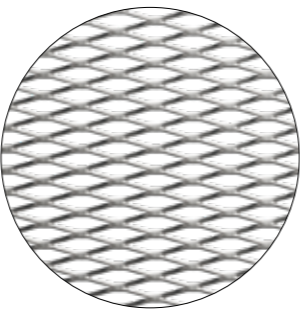


The Nidus Passive House / Gonzalez - Malama Architects
Kalamata, Messenia, Greece

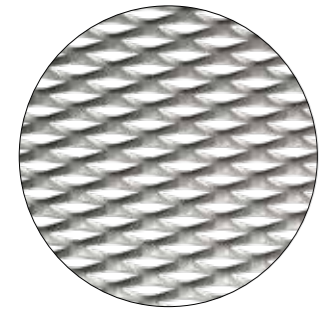
Xpand patterns are available in a variety of forms, motives and colors that differ according to the given dimensions, the light penetration and the design.



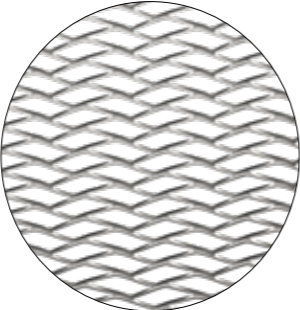
XP101
OPEN AREA: 49.3 %
WEIGHT PER m²: 3.4 Kg/m²
LWO: 43.5 mm / SWO: 10 mm
STRAND WIDTH: 4 mm
OVERALL THICKNESS: 7.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



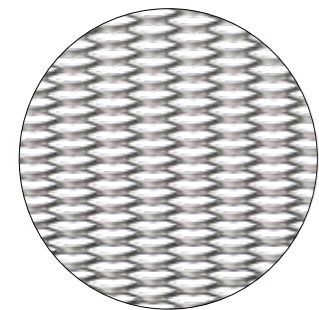
XP104
OPEN AREA: 67.7 %
WEIGHT PER m²: 2.37 Kg/m²
LWO: 49 mm / SWO: 11 mm
STRAND WIDTH: 4 mm
OVERALL THICKNESS: 8 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



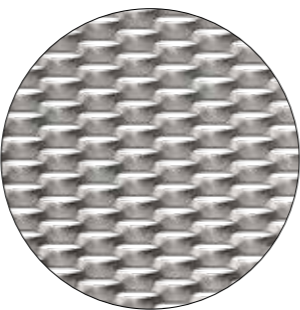
XP105
OPEN AREA: 49.3 %
WEIGHT PER m²: 3.58 Kg/m²
LWO: 47 mm / SWO: 10.5 mm
STRAND WIDTH: 8 mm
OVERALL THICKNESS: 11 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



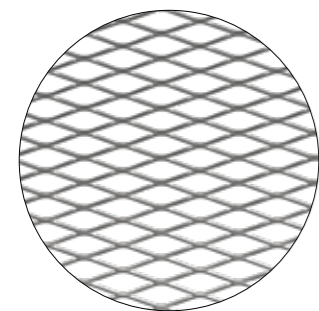
XP106
OPEN AREA: 62.4 %
WEIGHT PER m²: 2.29 Kg/m²
LWO: 47 mm / SWO: 15 mm
STRAND WIDTH: 4 mm
OVERALL THICKNESS: 7.8 mm
DIMENSIONS (W x H):
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1500 x No limit



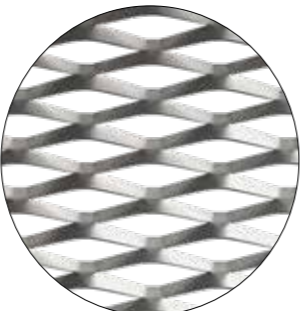
XP109
OPEN AREA: 59.4 %
WEIGHT PER m²: 3.10 Kg/m²
LWO: 42 mm / SWO: 7.5 mm
STRAND WIDTH: 4 mm
OVERALL THICKNESS: 7.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



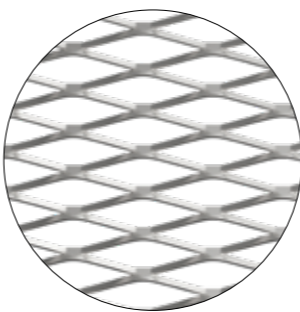
XP110
OPEN AREA: 37.0 %
WEIGHT PER m²: 4.42 Kg/m²
LWO: 41 mm / SWO: 6 mm
BHMA / STRAND WIDTH: 8 mm
OVERALL THICKNESS: 10.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



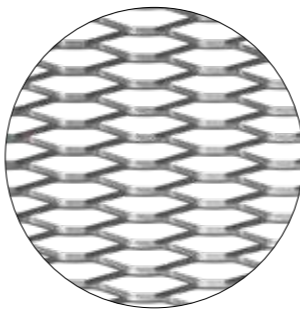
XP113
OPEN AREA: 68.7 %
WEIGHT PER m²: 2.16 Kg/m²
SWO: 15 mm
STRAND WIDTH: 4 mm
OVERALL THICKNESS: 9 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



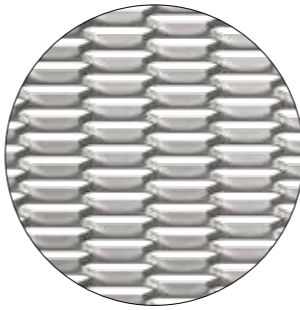
XP201
OPEN AREA: 50.1 %
WEIGHT PER m²: 3.6 Kg/m²
LWO: 93.5 mm / SWO: 19 mm
STRAND WIDTH: 14 mm
OVERALL THICKNESS: 18 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



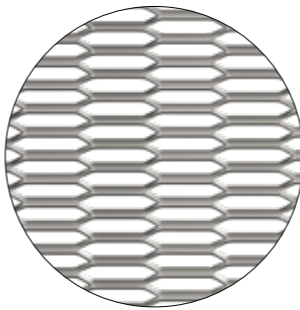
XP203
OPEN AREA: 65.8 %
WEIGHT PER m²: 2.4 Kg/m²
LWO: 96.2 mm / SWO: 25 mm
STRAND WIDTH: 8 mm
OVERALL THICKNESS: 13.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



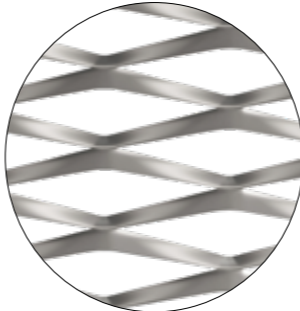
XP206
OPEN AREA: 67.5 %
WEIGHT PER m²: 2.8 Kg/m²
LWO: 77.8 mm / SWO: 14 mm
STRAND WIDTH: 6 mm
OVERALL THICKNESS: 11 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



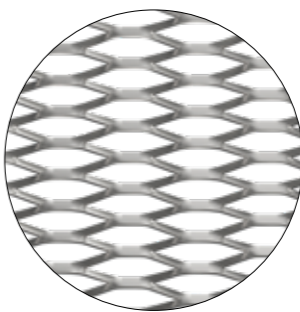
XP302
OPEN AREA: 56.6 %
WEIGHT PER m²: 4.18 Kg/m²
LWO: 56.7 mm / SWO: 6 mm
STRAND WIDTH: 8 mm
OVERALL THICKNESS: 11.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



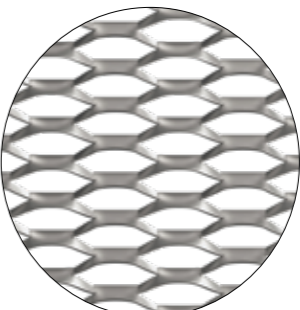
XP304
OPEN AREA: 45.5 %
WEIGHT PER m²: 2.47 Kg/m²
LWO: 58.6 mm / SWO: 10 mm
STRAND WIDTH: 6 mm
OVERALL THICKNESS: 10.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



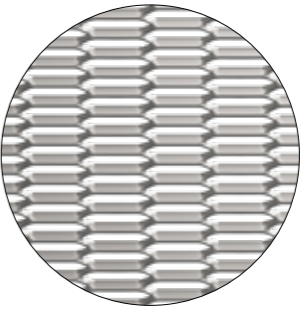
XP401
OPEN AREA: 62.7 %
WEIGHT PER m²: 3.6 Kg/m²
LWO: 180 mm / SWO: 38 mm
STRAND WIDTH: 20 mm
OVERALL THICKNESS: 28 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



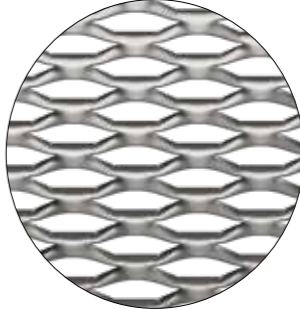
XP204
OPEN AREA: 64.3 %
WEIGHT PER m²: 3 Kg/m²
LWO: 82.8 mm / SWO: 18 mm
STRAND WIDTH: 8 mm
OVERALL THICKNESS: 14 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



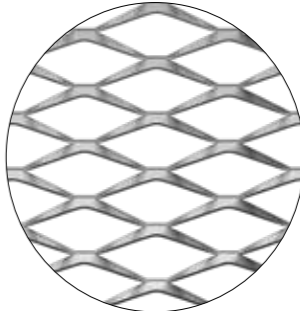
XP301
OPEN AREA: 64.8 %
WEIGHT PER m²: 2.87 Kg/m²
LWO: 71.8 mm / SWO: 18 mm
STRAND WIDTH: 8 mm
OVERALL THICKNESS: 13 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



XP303
OPEN AREA: 42.6 %
WEIGHT PER m²: 3 Kg/m²
LWO: 54.4 mm / SWO: 5 mm
STRAND WIDTH: 6 mm
OVERALL THICKNESS: 9.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



XP333
OPEN AREA: 58.6 %
WEIGHT PER m²: 3.27 Kg/m²
LWO: 84 mm / SWO: 19.5 mm
STRAND WIDTH: 11 mm
OVERALL THICKNESS: 15.5 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit



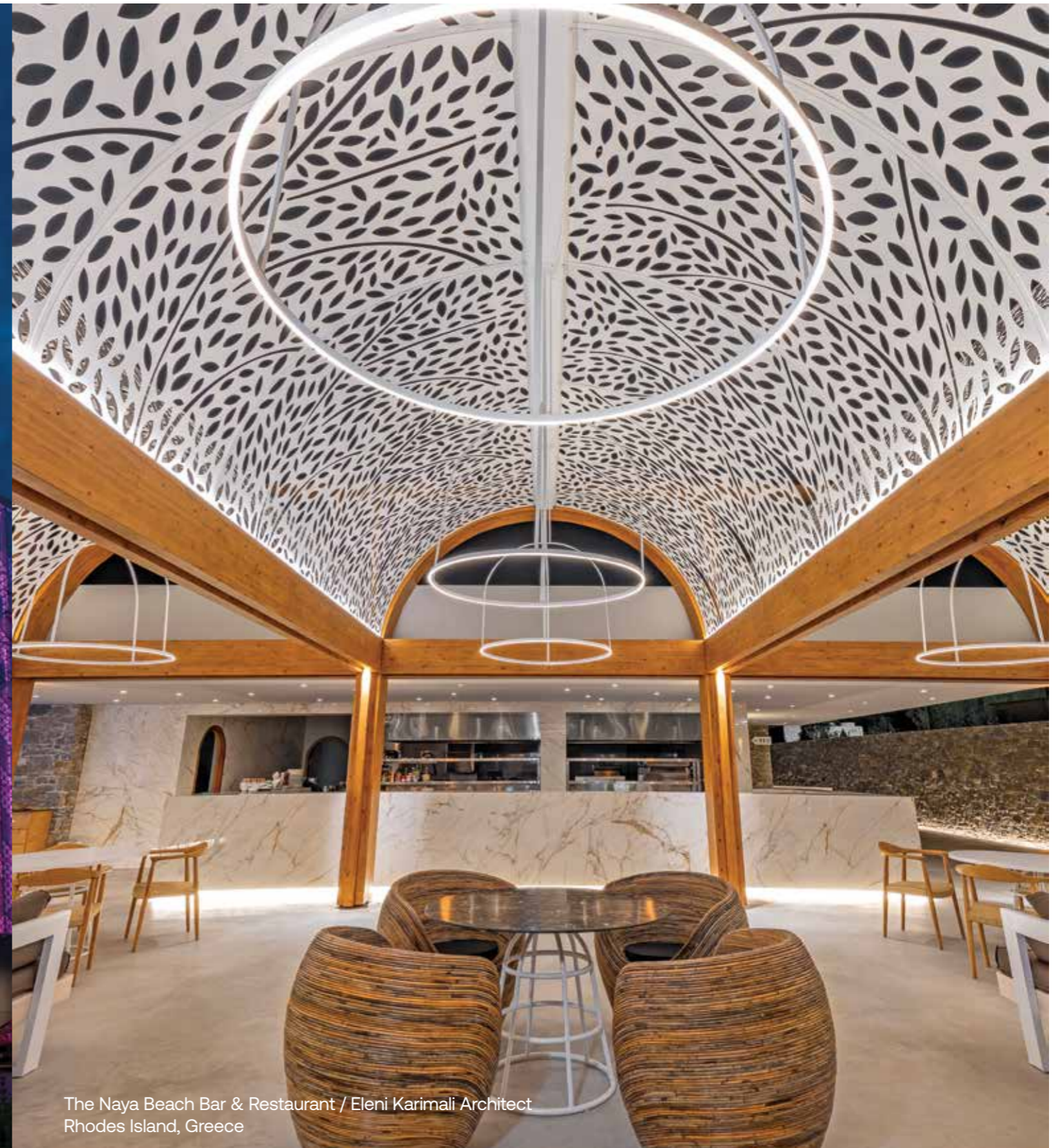
XP503
OPEN AREA: 55 %
WEIGHT PER m²: 2.1 Kg/m²
LWO: 102 mm / SWO: 35 mm
STRAND WIDTH: 8 mm
OVERALL THICKNESS: 14 mm
DIMENSIONS (W x H):
1000 x No limit / 1250 x No limit /
1500 x No limit

PERFORATED Design Panels

Perforated systems give endless choices on shapes and figures and actually let architects' spirit free for inspiration. A lot of indoor and outdoor applications on buildings in order to hide "blind" areas and to give space of architects' art! The 3D walling application gives space and life on the pattern!



The Plovdiv Plaza Mall / SGI Architects
Plovdiv, Bulgaria



The Naya Beach Bar & Restaurant / Eleni Karimali Architect
Rhodes Island, Greece





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