

# Elysium

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ALL COVERED

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**Building dreams.  
Shaping futures.**

ALL COVERED

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# ALL COVERED

At Elysium, we are a team of passionate innovators, transforming building envelopes with sustainable technologies and aesthetic excellence. Project after project. With years of experience, we've built a reputation for our unwavering commitment to quality, innovation and client satisfaction.

Since 2014, we've been transforming landscapes with our distinctive roofs and facades. From humble beginnings, we've grown into a trusted name, driven by our passion for excellence and attention to detail.

Our mission is simple: to exceed expectations, every time. Integrity, innovation, and a relentless pursuit of excellence drive us forward. From concept to completion, we're dedicated to delivering solutions that inspire and endure.

When you choose Elysium, you're choosing a partner in your vision. We're here to turn your ideas into reality, with craftsmanship you can trust and results that speak for themselves.

**Join us as we continue to shape skylines, one project at a time. All Covered.**



Elysium emerges as a testament to the expertise of Fabris, a renowned contractor in metal roofing and cladding since 1946. We pride ourselves on our commitment to innovation and excellence. At Elysium, we offer more than just products; we provide a comprehensive approach, including exclusive solutions, specialised expertise in sustainable building envelope design and a network of qualified installers.

Our focus extends beyond supplying materials. We aim to create and deliver tailored products that meet the unique needs of our clients.

With long-standing expertise, we navigate the complexities of modern architecture with ease through our solutions such as ELYROOF, ELYSOLAR, ELYWALL, ELYTAILOR or ELYCLAD.

Our dedication lies in serving our clients with professionalism and proficiency. We've assembled a team of skilled artisans, craftspeople and engineers who ensure the quality of both new buildings and renovation processes.

Elysium is a place where practicality meets innovation, and where together, we build a legacy of lasting and environmentally sustainable impact.

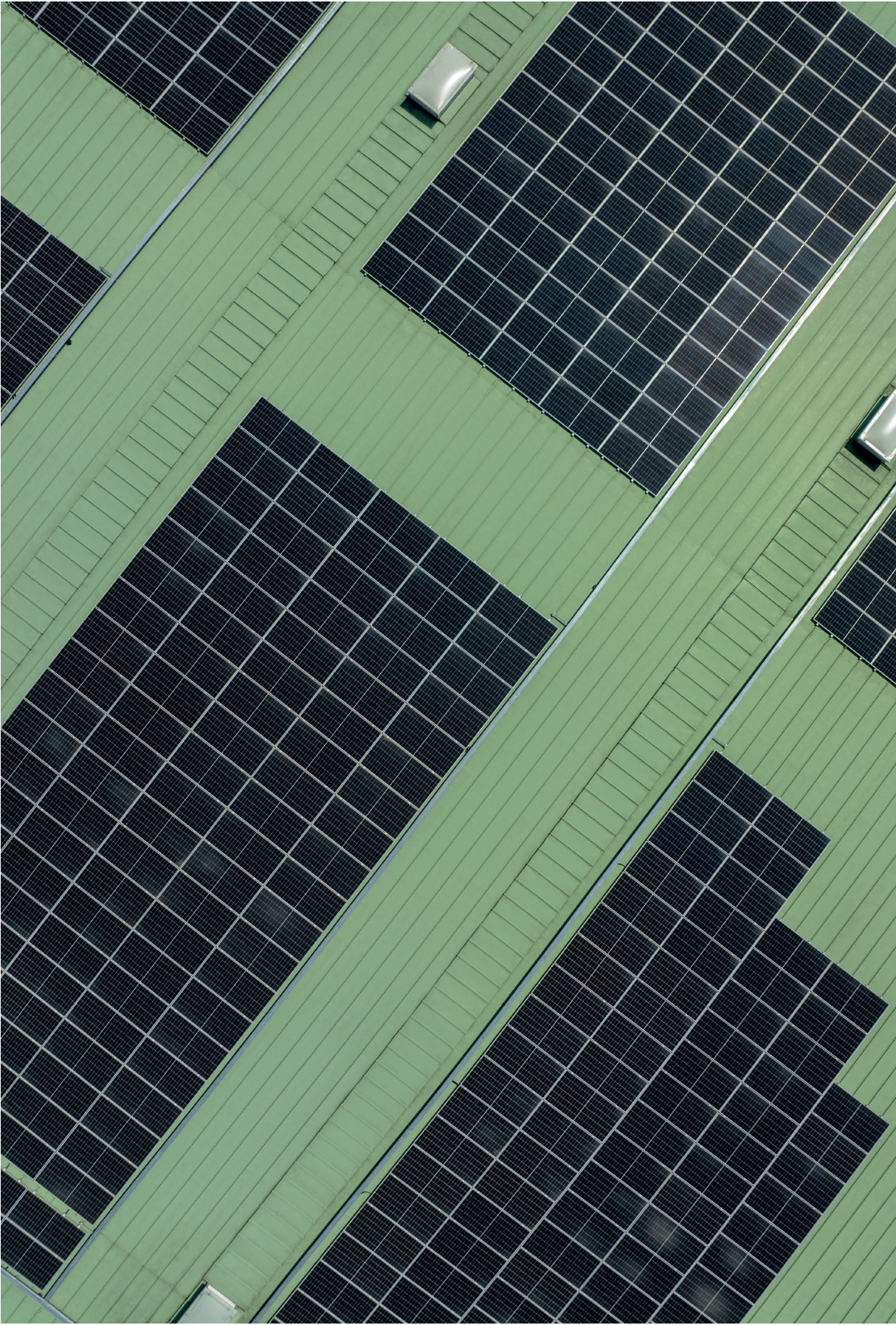
# UNCOVERING ELYSIUM

○	UNIVERSITY OF BOLOGNA — CLASSROOM BUILDING	2014
○	LEROY MERLIN DISTRIBUTION CENTRE	2016
●	ECOR NATURASI DISTRIBUTION CENTRE	2017
○	LA SPORTIVA HEADQUARTERS	2018
○	NURSERY SCHOOL — L'ISOLA DI PETER PAN	2018
○	CARREFOUR	2019
○	DIADORA DISTRIBUTION CENTRE	2019
●	CEA DESIGN	2019
○	FINCANTIERI WORKSHOP	2019
●	BIOFARMA GROUP	2020
○	SAN MARCO EVANGELISTA CHURCH	2020
○	MERCADONA	2020
○	ARISTONCAVI FACTORY	2022
○	LEISURE AND SPORTS SPACES REALE MUTUA	2022
○	SHOWROOM FONTANA — CATTELAN ITALIA	2022
○	SPORTS CENTRE SAN BLAS	2022
○	RIVA ACCIAI STEELWORKS	2023
○	LOGISERVICE	2023
○	COTTONERA SWIMMING POOL	2023
●	WOOD COURT RESTAURANT — FABBRICA DI PEDAVENA	2023
○	PASTA FACTORY RANA	2023



# OUR PROJECTS

**ECOR NATURASI DISTRIBUTION CENTRE**  
LOCATION Italy, Bologna, Bentivoglio  
YEAR 2017  
PHOTO Ivan Maniezzo  
▸ ELYROOF ▸ ELYSOLAR



**CEA DESIGN**  
LOCATION Italy, Vicenza, Pove del Grappa  
YEAR 2019  
PHOTO courtesy Giuseppe Lazzarotto Architetto  
ELYWALL





**BIOFARMA GROUP**  
LOCATION Italy, Udine, Mereto di Tomba  
YEAR 2020  
PHOTO Daniele Domenicali  
ELYWALL



**WOOD COURT RESTAURANT — FABBRICA DI PEDAVENA**  
LOCATION Italy, Milan, Cesate  
YEAR 2023  
PHOTO courtesy INS Ilaria Nava Studio  
▾ ELYROOF ▾ ELYSOLAR

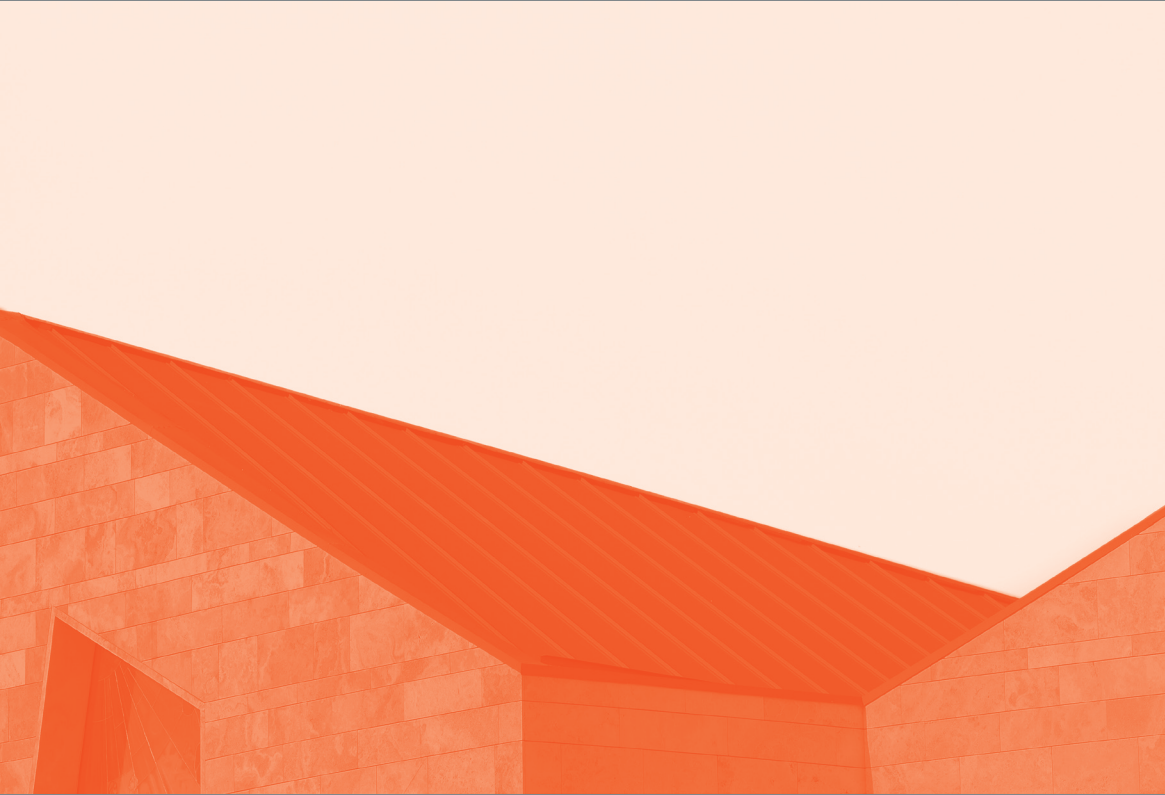


# OUR PRODUCTS

ROOFING SYSTEM

FACADE SYSTEM

ROOF + FACADE SYSTEM



# ROOFING SYSTEM

When it comes to roofing solutions that prioritise durability, performance and sustainability, metal stands out as the top choice. At Elysium, we leverage the versatility of metal roofing combined with our cutting-edge snap-lock sheet technology. This innovative approach enables us to craft robust multilayer configurations tailored to meet stringent thermal, acoustic and fire performance standards. With Elysium, you can trust that your roofing system will not only endure the test of time but also excel in providing the utmost protection and comfort for your building.

Achieving both visual appeal and adaptability even on low slopes, our metal roofing products elevate your building's aesthetics, ensure absolute watertightness and enhance your building by improving its functionality.

## PRODUCTS

ELYROOF

ELYSOLAR



Width

Stiffening Ribs

574

Transverse

\*Check all crossed combinations in the technical appendix.

## Pioneering roof innovation

In the realm of concealed fastener metal roofing, ELYROOF stands as a pioneering self-supporting roofing system. Engineered for seamless installation, adaptable application and captivating aesthetics, ELYROOF redefines standards of excellence in roofing solutions.

The ELYROOF concealed fastener profiles represent a breakthrough in roofing technology. Using a snap-lock system, these self-supporting profiles ensure the continuity of the roofing, eliminating the need for through-holes and guaranteeing secure waterproofing, even on very low slopes.

Custom-cutting options on-site further enhance waterproofing integrity by eliminating the risk of leaks and obviating the necessity for transverse overlaps between sheets.

In its PLUS version, ELYROOF boasts a unique feature: a special sealing bead coupled within the joint during the profiling, enabling complete submersion of roofing panels. Consequently, the minimum installation slope can be reduced to an unprecedented 0.5%.

Moreover, ELYROOF stands as a pioneer in offering an integrated skylight option. With ELYROOF LIGHT, each Elysium 574 panel can be equipped with translucent modules directly during production, tailored to meet the lighting requirements of any structure.

### KEY FEATURES

- Snap-lock fastening
- Custom lengths (virtually unlimited)
- Integrated skylight option with LIGHT
- Non-combustible configurations — A1

# ELYROOF

# Fastening System

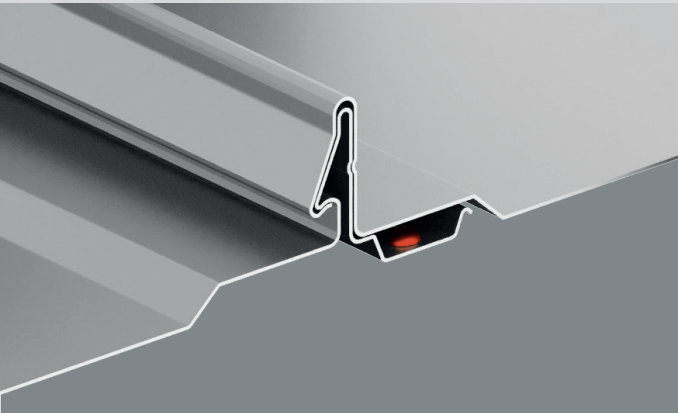
Anchored in innovation, Elysium created a fastening system that ensures not just stability, but the promise of enduring strength in every installation.

You can secure the sheet to the support structure using two methods: direct fastening or bracket fastening. Depending on the situation, you might use one method, the other, or a combination of both. In both solutions the fastening is protected by the interlocking system.

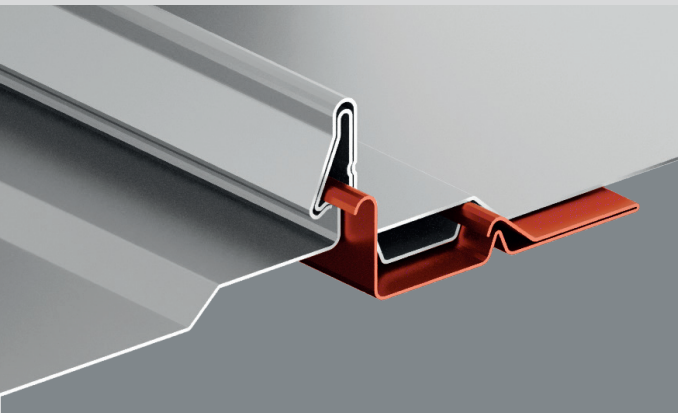
The first method involves using special screws, which have been tested in collaboration with leading manufacturers. These screws come equipped with a special sealing gasket, making them ready to be anchored directly to the substructure without the need for additional brackets.

Alternatively, our systems can be fastened to the purlins using special stainless steel brackets. These brackets are designed to accommodate the sliding of the staves, which occurs due to temperature-induced expansion. Engineered by our technical department, these brackets feature a double retention system that provides outstanding strength against wind extraction, ensuring the durability and stability of the installation.

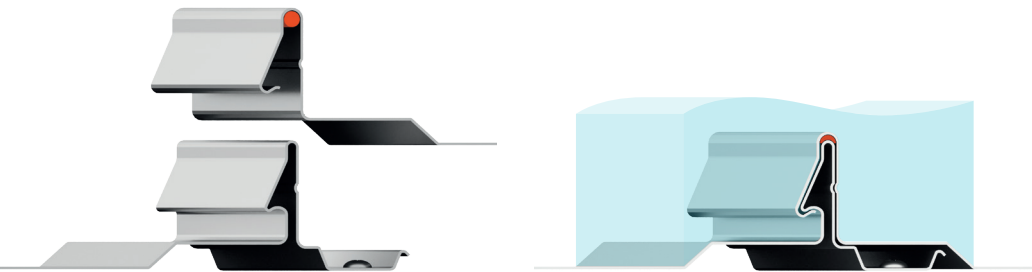
## 0.1 Direct Fastening



## 0.2 Bracket Fastening



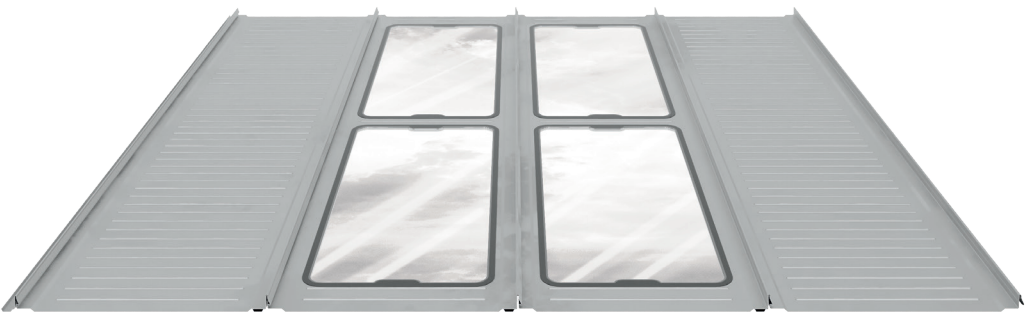
# ELYROOF PLUS



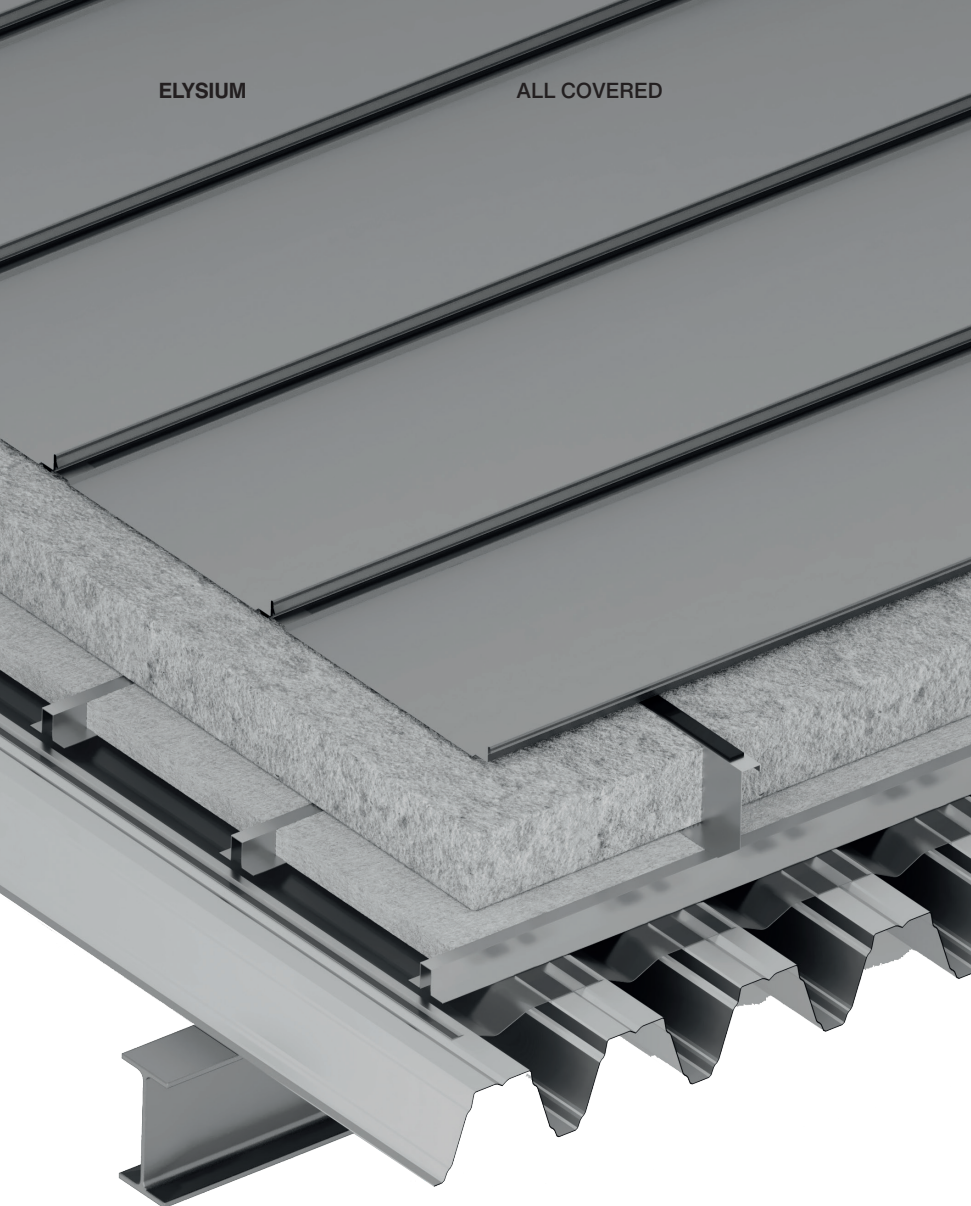
ELYROOF PLUS is a system designed to eliminate any potential leaks in the overlapping section of the sheets, while guaranteeing a completely waterproof metal roof.

■ Minimum Slope 0.5%

# ELYROOF LIGHT



ELYROOF LIGHT comes in variants featuring transparent or opalescent skylights, boasting resilience against adverse weather conditions, UV rays, and absolute weatherproofing, even on low slopes. Furthermore you have the possibility to customise the position of the elements to suit your needs.



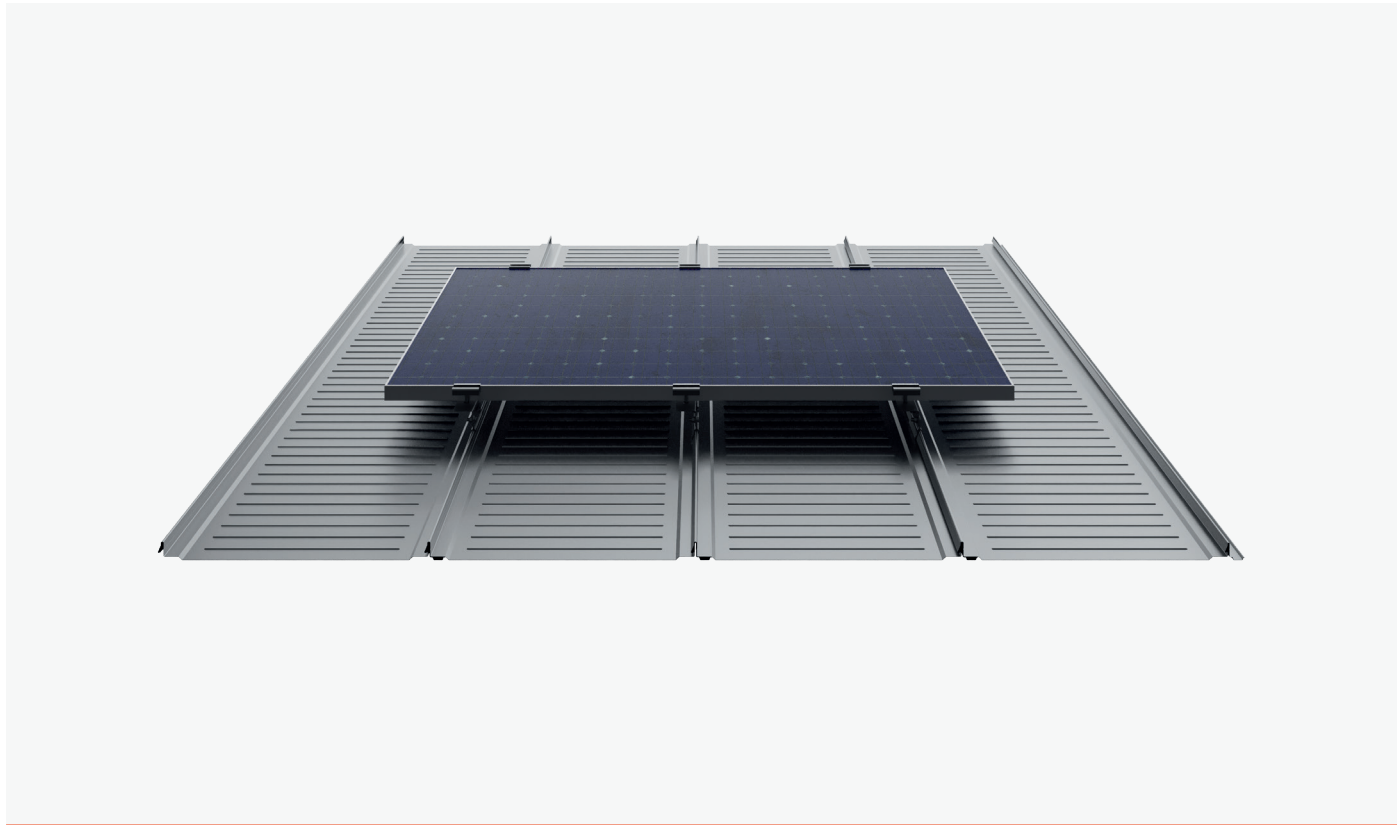
## Thermal-Acoustic Configurations

The ELYROOF panel can be configured within the most suitable build-up to meet your project's thermal and acoustic requirements. Environmental considerations and fire safety guide us in selecting solutions that are easily disassembled at the end of their life cycle, with components that are fully recyclable and offer excellent fire performance during the structure's operational life.

## On-site rollforming: Maximizing efficiency

In situations where traditional transportation methods are hindered by excessively long panel lengths or expansive roof surfaces requiring a fleet of transportation vehicles, our mobile facilities step in. Producing ELYROOF sheets directly at the construction site, even at roof level, bypasses the need for distant production and transportation, thereby streamlining operations, cutting costs, and reducing environmental impact.





## Energy from the roof without compromises

Introducing ELYSOLAR, the perforation-free photovoltaic roofing solution that not only reduces the risk of leaks but also maximises system efficiency.

Utilising a building's roof as a renewable energy source is not only an eco-conscious decision but also a smart investment for the future. With Elysium, you can rely on durable, seamlessly integrated solutions that ensure consistent, long-lasting performance.

The ELYSOLAR photovoltaic roofing system consistently merges the reliability of ELYROOF's concealed fastener roofing with the ability to incorporate photovoltaic panels without piercing the roof surface.

Thanks to an exclusive anchoring system, photovoltaic panels can be integrated in any direction, ensuring the roof's waterproof integrity at all times. This innovative approach ensures that the metal roof remains intact and shielded, eliminating the need for repairs and maintenance and safeguarding the operation of the photovoltaic system. This matters, as the durability of a roof should match or exceed the operational lifespan of a photovoltaic system.

### KEY FEATURES

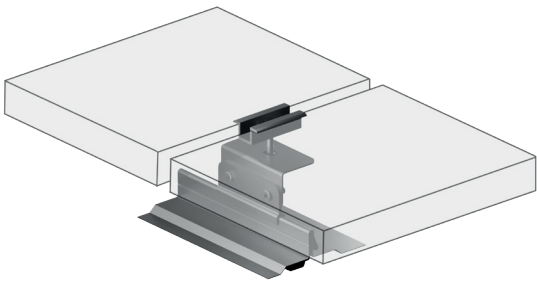
- Perforation-free module fastening
- Optimal rear ventilation of the PV panel
- Ease of installation

# ELYSOLAR

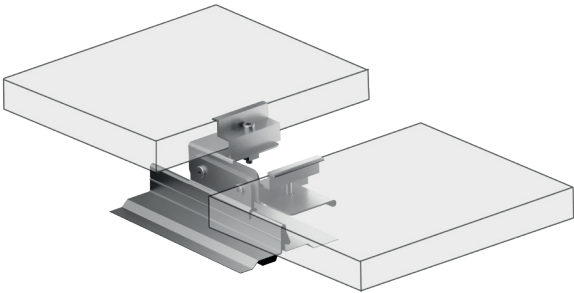
# Flexible Photovoltaic Integration

The components of the ELYSOLAR system offer three options for mounting photovoltaic panels: direct, direct tilted, or indirect (using supporting framing). These options are customised to meet specific integration needs, ensuring optimal performance, even on low-slope metal roofs. For example, tilted direct mounting prevents the accumulation of water and debris on the panel surface.

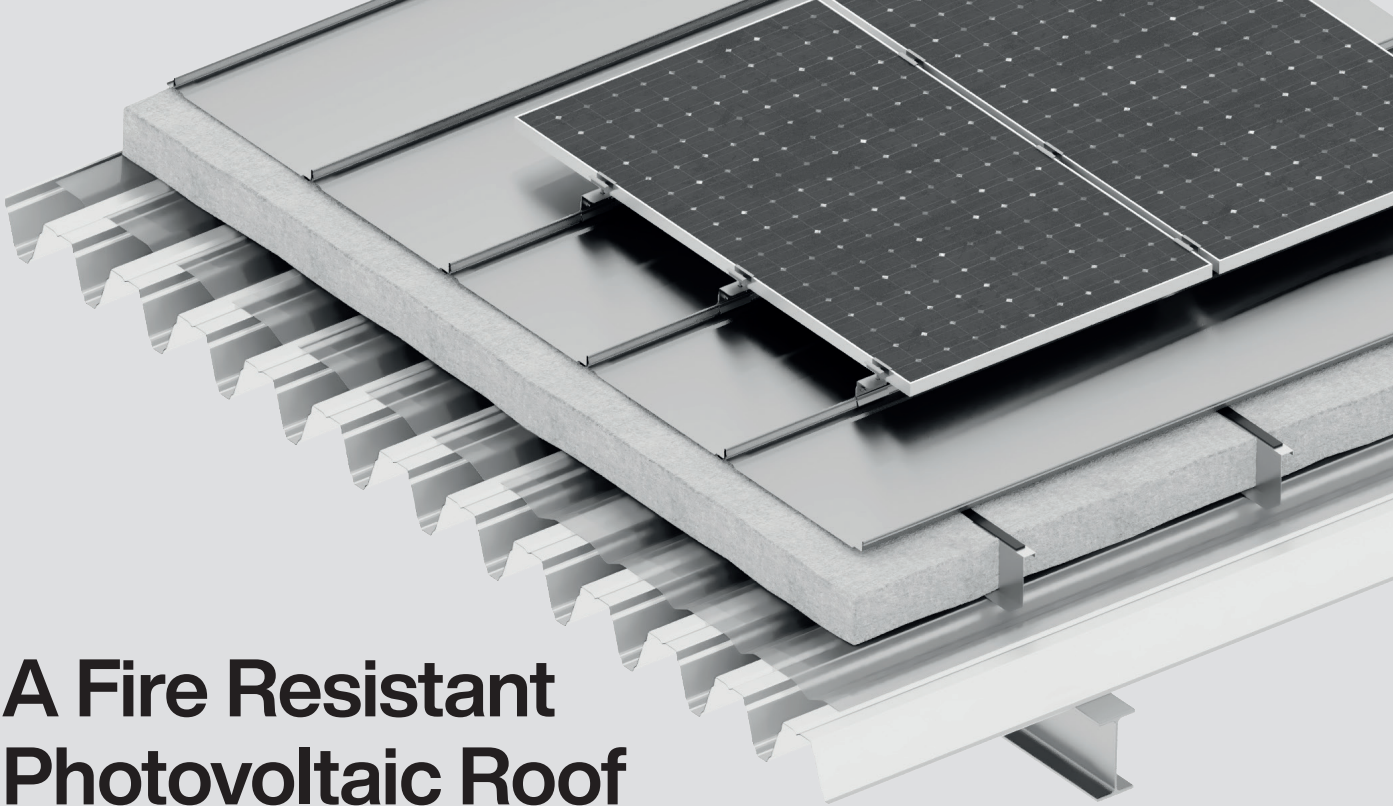
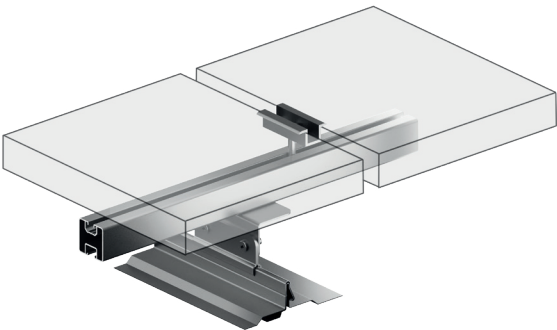
## Direct Mounting



## Tilted Direct Mounting



## Indirect Mounting



# A Fire Resistant Photovoltaic Roof

## Euroclass A1 configurations

If, on the one hand, a photovoltaic roof promises significant environmental and energy-saving benefits, it also presents considerable safety challenges that must be proactively addressed. With the accumulation of electrical equipment exposed to weather-related hazards, the risk of fires on roofs increases, demanding comprehensive fire safety measures. The presence of photovoltaic panels not only increases the fire load and the likelihood of ignition but also alters the dynamics of fire behaviour on roofs, potentially intensifying fire spread and severity. In this context, the provision of Euroclass A1 roof configurations becomes fundamental.

With ELYSOLAR, it is possible to configure Euroclass A1 roof configurations, boasting certified performance characteristics. Euroclass A1 configurations ensure that the roof structure remains resilient in the face of fire-related hazards.

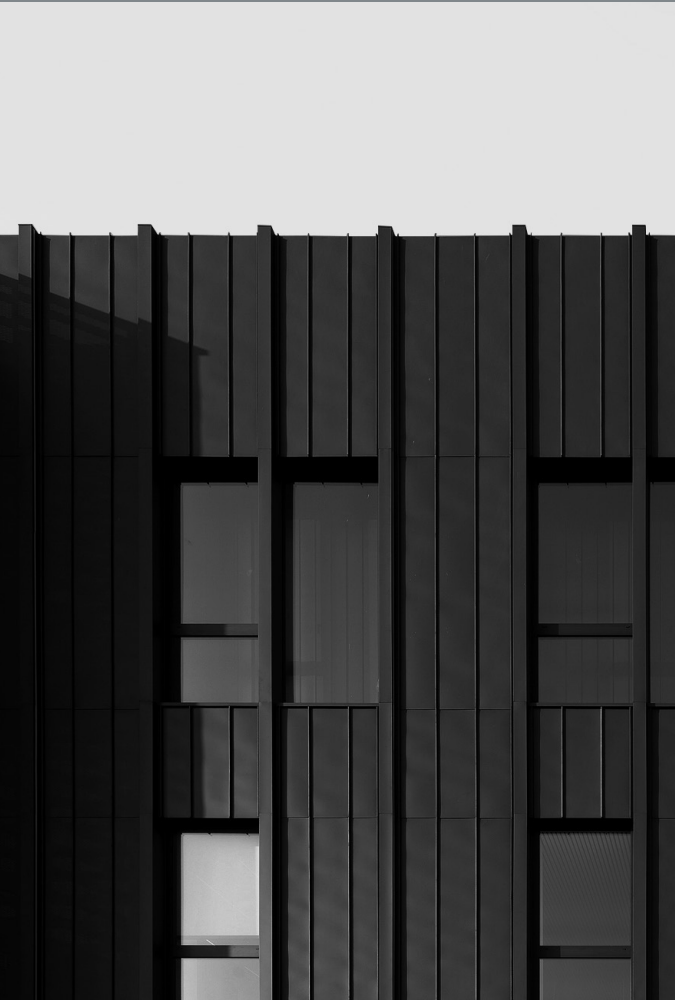
# Safe access solutions

Fall protection systems and walkways, integrated with the ELYSOLAR system, ensure safe and easy access to the installation, allowing for safe cleaning, maintenance, and inspection operations.





A building's facade is its hallmark. With access to premium materials and unmatched design flexibility, Elysium's facade systems offer the chance to craft truly unique architectural envelopes.

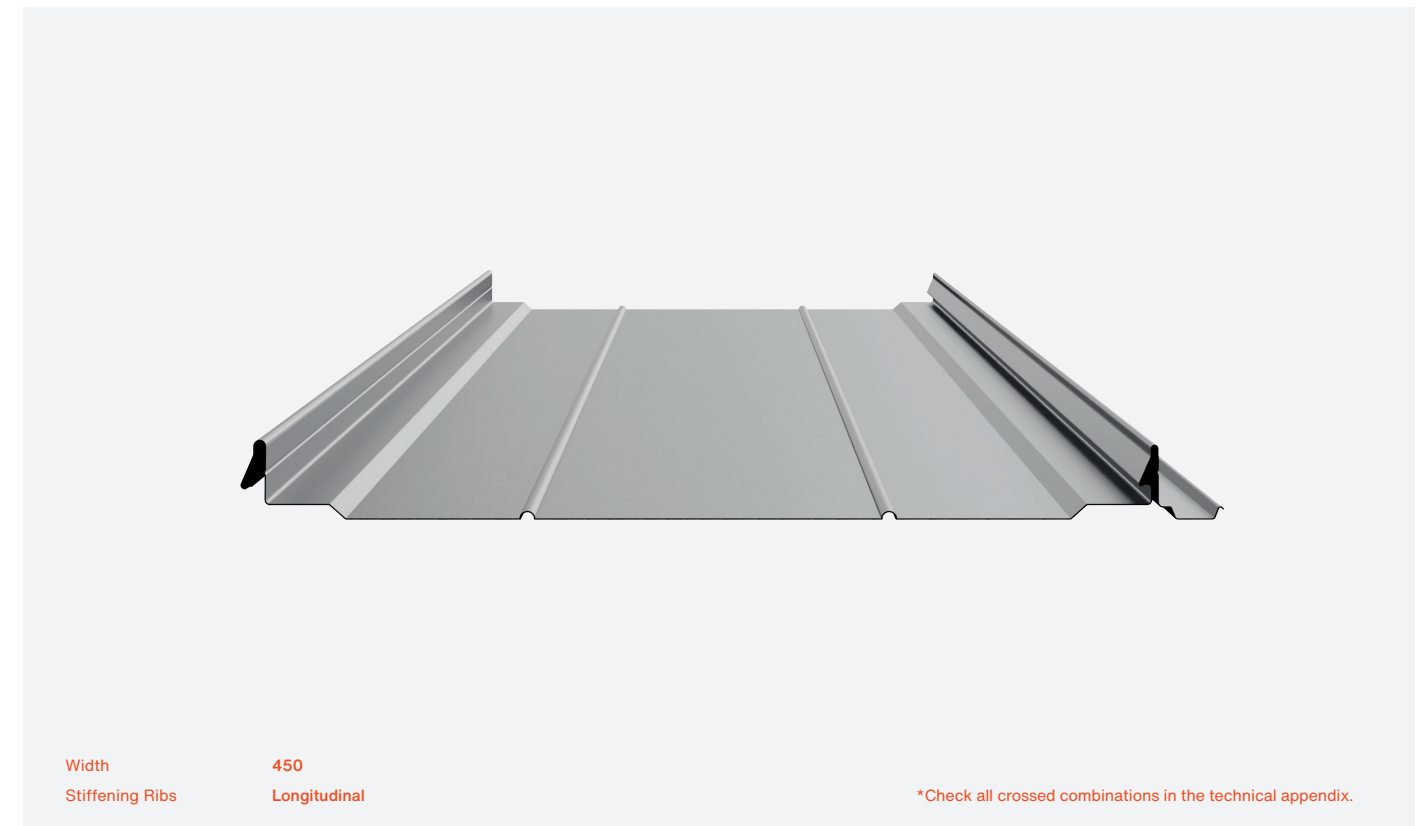


# FACADE SYSTEM

PRODUCTS

ELYWALL

ELYTAILOR



## Transforming tradition through refined elegance

Drawing inspiration from the timeless elegance of traditional standing seam metal sheets, ELYWALL merges the beauty of tradition with the practical benefits of a modern, self-supporting product.

Featuring minimalist aesthetics and industrial sophistication, ELYWALL emerges as the ideal choice for infusing modernity into both new constructions and renovation projects.

Its streamlined installation process, adaptable to diverse stratigraphies and existing walls, renders this concealed fastener system exceptionally practical and efficient.

With several options in shape, material, colour and finish, complemented by the flexibility to utilise sheets or to craft personalised facade patterns, ELYWALL provides endless possibilities for creative expression.

From contemporary constructions to revitalising renovations, ELYWALL stands as a testament to versatility and innovative design, promising to elevate any project to new heights of sophistication.

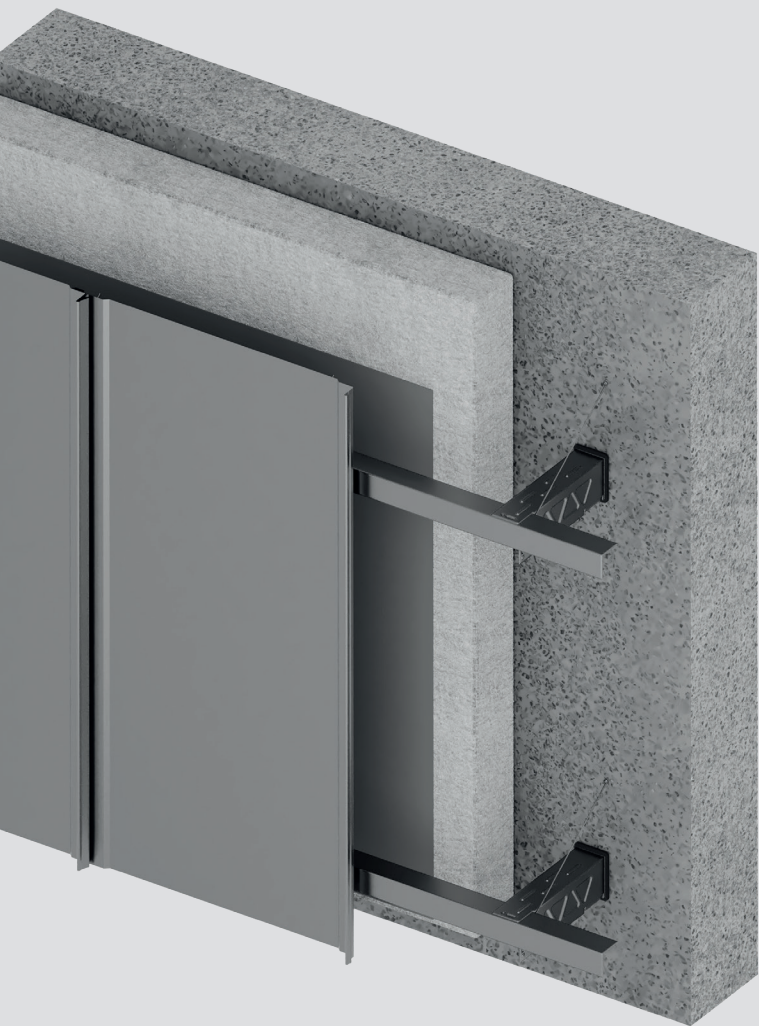
### KEY FEATURES

- Snap-lock fastening
- Wide choice of metals, finishes and colours
- Custom length panels

# ELYWALL

# ELYWALL Configurations

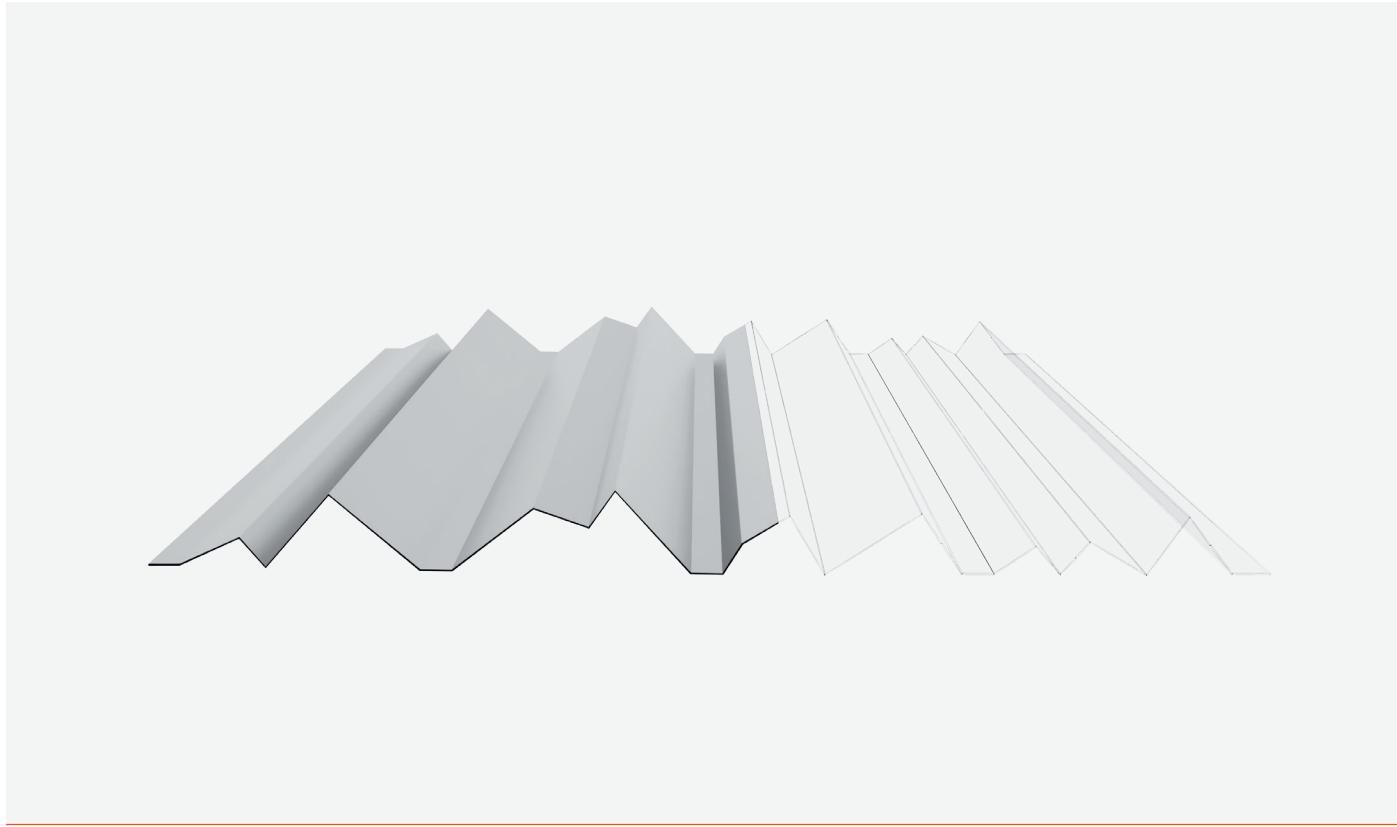
We would be pleased to assist you in designing the configuration that best suits your needs and suggest the most suitable solution for connection details and interface with other elements, like doors or windows.



# ELYWALL’s custom perforation

The wide range of perforated patterns allowed by ELYWALL introduces an additional element of visual interest to the facade, enabling architects and designers to create dynamic and engaging exteriors. Leveraging this feature, they can tailor patterns and densities to evoke specific moods or reflect branding. This customisation not only adds visual interest but also contributes to the building's identity within its surroundings. Perforated panels add depth and texture to the facade, enhancing its overall aesthetic appeal and interaction with light and shadow throughout the day.





From selection to inspiration  
for limitless creativity

ELYTAILOR represents a concept: moulding your vision with personalised facade solutions. We offer an extensive selection of materials and custom metal profile design options to bring your vision to life.

With ELYTAILOR, your building will showcase its unique style, and Elysium will serve as your dedicated designer. You have the freedom to select the material, colour and shape of your facade profiles. We'll be by your side throughout this process, providing our expertise and technical guidance to ensure your vision becomes a reality.

KEY FEATURES

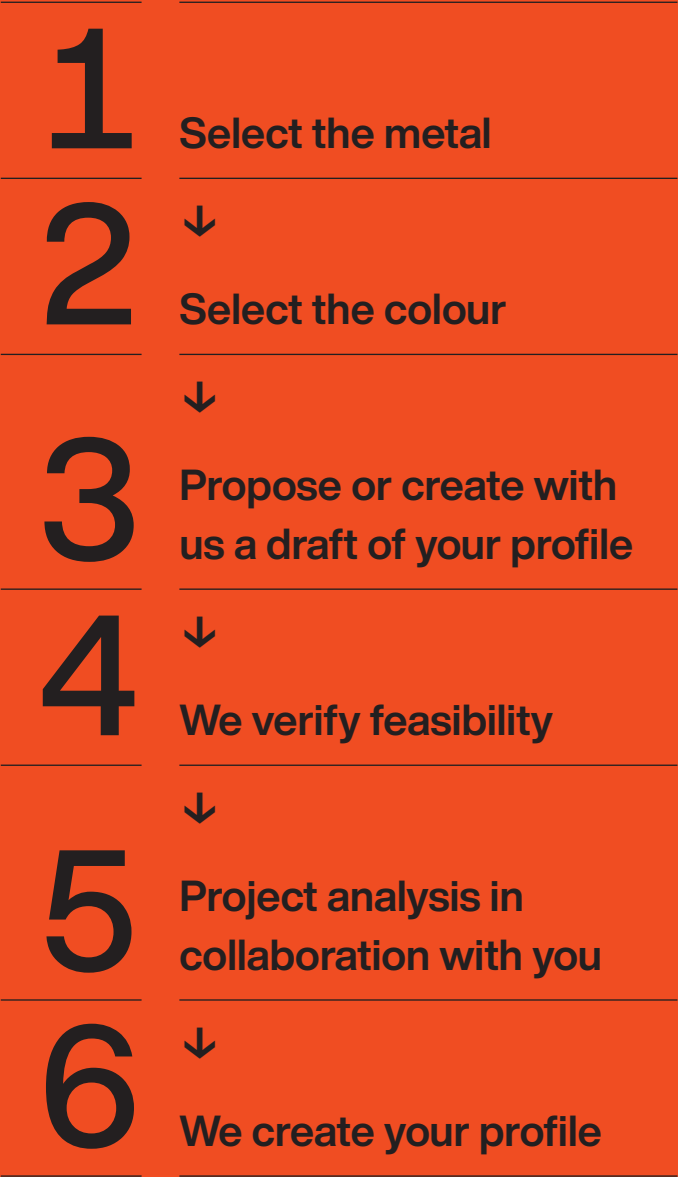
■ Design freedom

■ Unique finishes

■ Dedicated support

ELYTAILOR

# ELYTAILOR Process Diagram

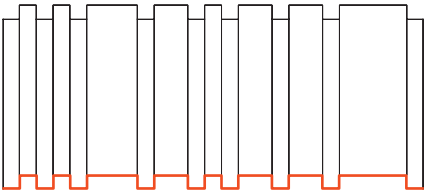


You may discover that some of our pre-designed ELYTAILOR profiles catch your eye, or perhaps they'll spark your creativity to collaborate with us in crafting your own custom profile. Share your vision with us and, utilising ELYTAILOR's versatility, we'll work together to create a tailor-made solution for your project.

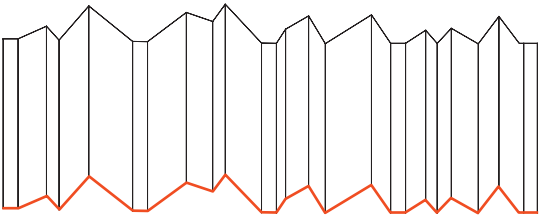


# Pre-designed ELYTAILOR profiles

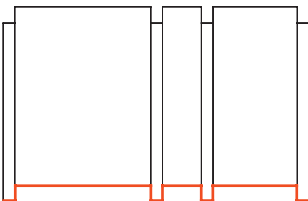
P 24.01.A-B



P 23.01.U



P 24.02.U





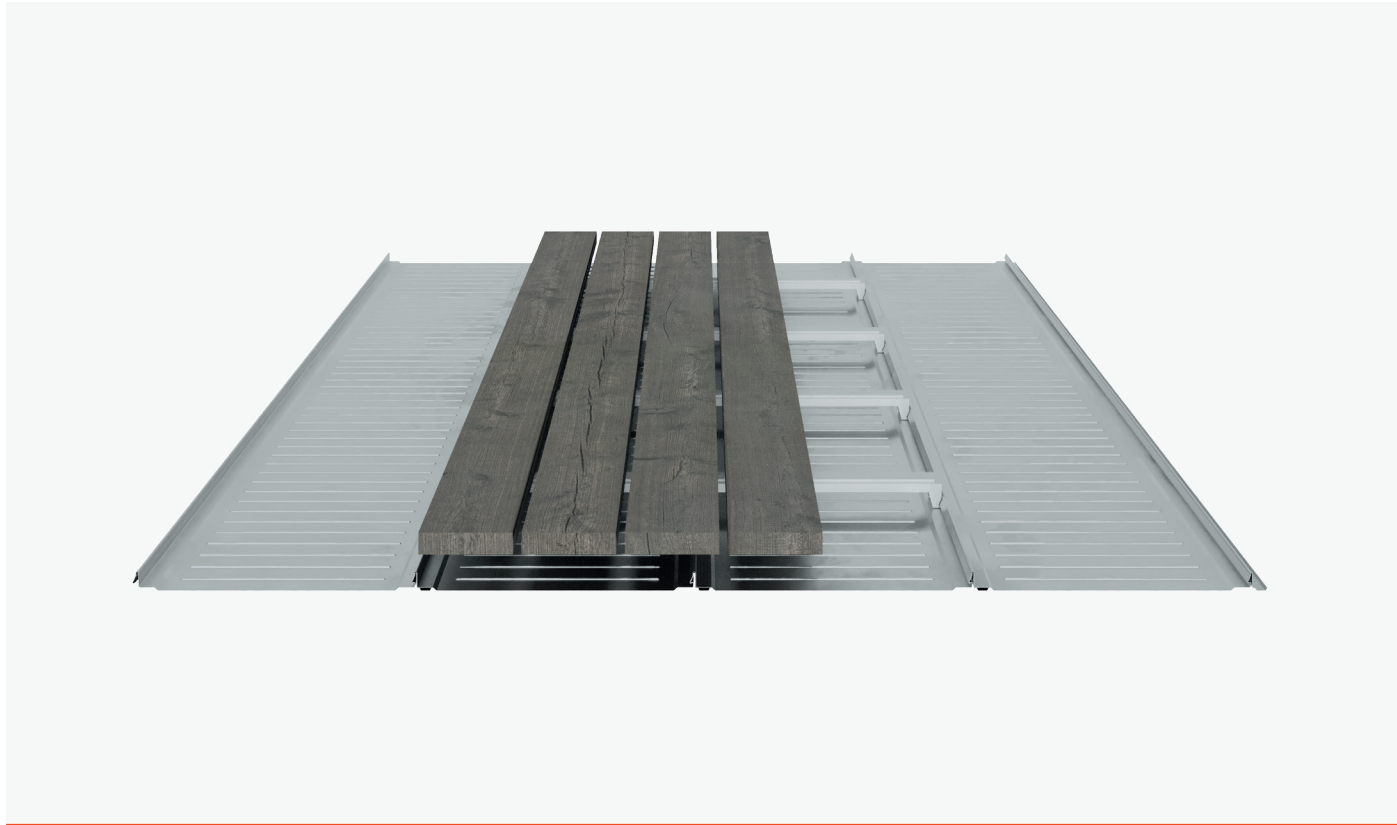
When your project's roof becomes a fifth facade, endless creative opportunities arise. Why limit yourself to conventional roofing materials when you can treat your roof as an actual facade?

With Elysium, you have the chance to turn the roof into more than just protection — it can be a defining feature of the entire building. By applying a cladding system on the roofing material, you seamlessly extend the design of the facade, enhancing both functionality and aesthetics.

# ROOF + FACADE SYSTEM

## PRODUCTS

### ELYCLAD



## Seamless roof-to-facade beauty

Seamless roof-to-wall integration is just one of the advantages offered by the ELYCLAD roof overlay system. This innovative system broadens the options for roofing cladding while maintaining the integrity of the roof structure.

ELYCLAD enables the separation of the waterproof layer from the visible layer of the roof, offering the flexibility to achieve desired aesthetics and textures.

Utilising tested and certified accessory clamps, the chosen cladding system securely attaches to the ELYROOF roofing without the need for perforation, ensuring long-term reliability and structural integrity.

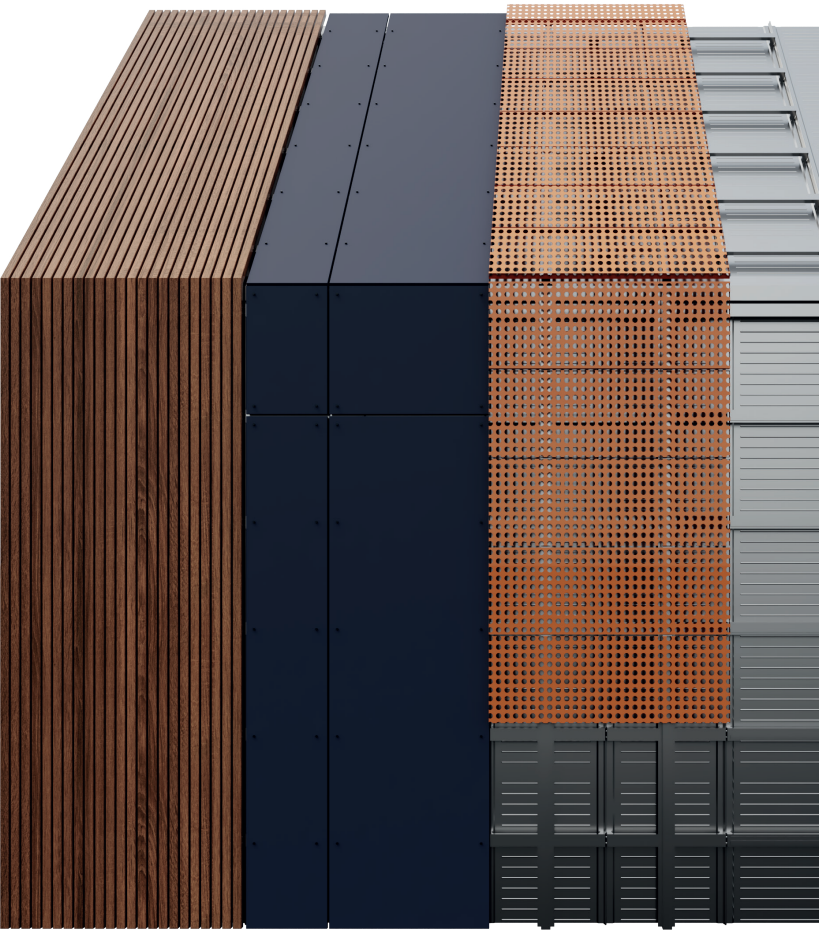
### KEY FEATURES

- Perforation-free — waterproof guarantee
- Unlimited options of cladding materials
- Aesthetic continuity roof-facade

# ELYCLAD

# Expanded roof cladding options

The ELYCLAD system broadens your options for roof cladding materials without sacrificing functionality. Enhance aesthetics with discontinuous elements and perforated panels, all while maintaining the watertightness and integrity of your roof, which will continue to be guaranteed by the reliability of the ELYROOF panels.



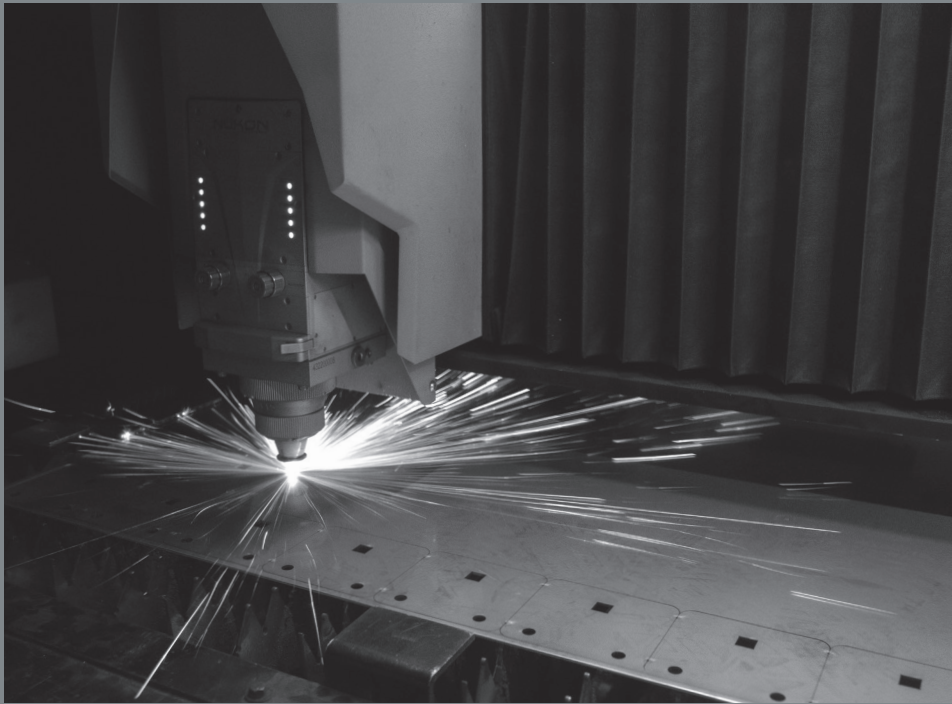
# Advanced workshop capabilities for your ELYCLAD solutions

Our workshop, equipped with the latest generation of machines, significantly enhances our ability to offer a diverse range of customised options for the ELYCLAD system.

With state-of-the-art technology, we can produce custom perforated panels, uniquely shaped panels from a variety of materials tailored to meet specific project requirements.

This advanced machinery allows for precise fabrication and intricate designs, ensuring that every panel meets the highest standards of quality and customisation.

Whether for architectural, industrial, or artistic applications, our workshop's capabilities enable us to provide innovative and bespoke cladding solutions that cater to the unique needs of our clients.



Explore our array of metals and finishes to ignite your creativity or reach out to us for personalised options tailored to your needs. Guarantee enduring elegance and functionality for your project.

# METALS AND FINISHES

# Lasting elegance and functionality

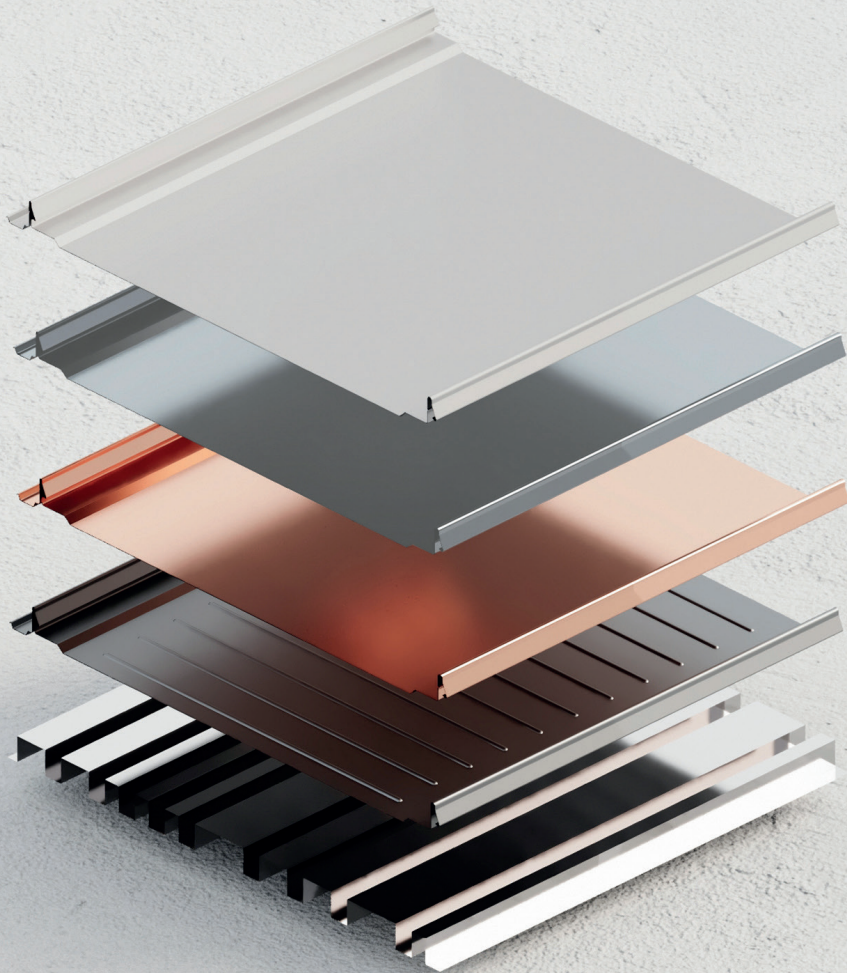
Elysium offers a diverse selection of metals and an array of carefully curated types of colour coatings and finishes, promising both stunning aesthetics and adequate performance: polyester, super polyester, PVDF and the innovative dual tones coating.

Elevate your spaces with Elysium's premium options, where beauty meets sustainability.

## Metals

From the high corrosion resistance of aluminium and stainless steel to the versatility of pre-painted steel, passing through the timeless beauty of copper and titanium-zinc, our offerings provide a 360-degree exploration of metal possibilities, allowing you to harness the full potential of metal in your cladding projects.

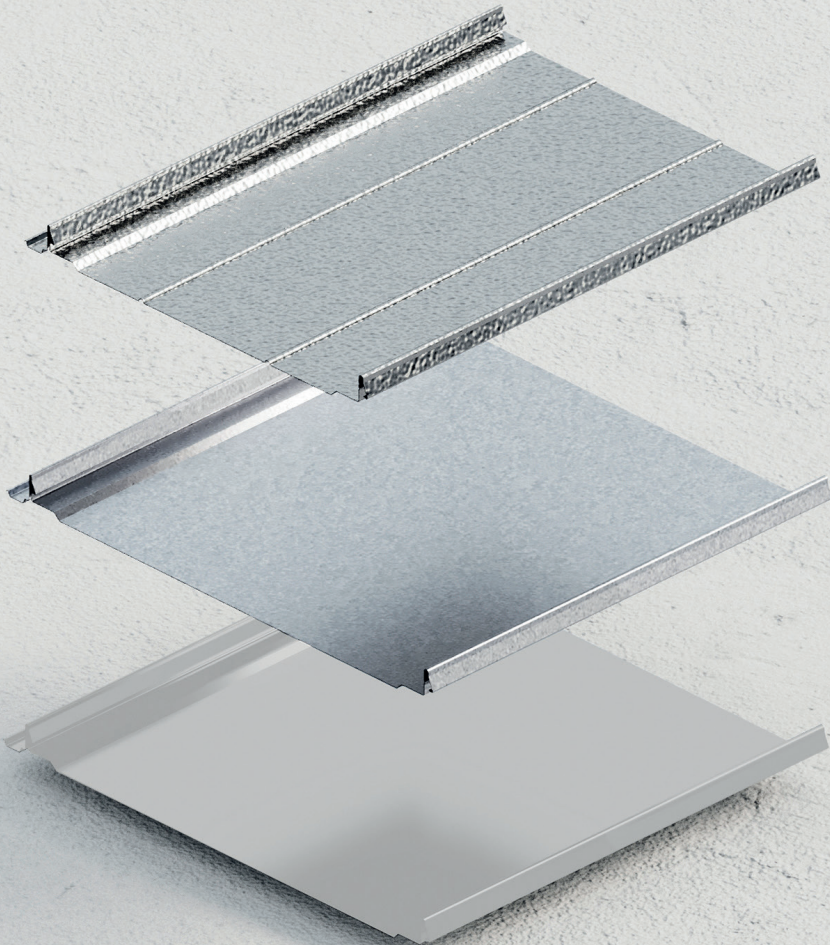
- Aluminium
- Steel
- Copper
- Titanium-zinc
- Stainless Steel



## Finishes

In addition to the mill finish option, stucco embossing enhances the aesthetic appeal of aluminium by adding texture and visual interest to the surface, while the Aluzinc finish improves durability and provides a sleek appearance, easy maintenance, and environmental sustainability for steel. These options reflect Elysium's diverse offerings for unpainted metals.

- |                   |              |
|-------------------|--------------|
| ■ Stucco embossed | in Aluminium |
| ■ Aluzinc         | in Steel     |
| ■ Mill Finishes   | in Aluminium |



# Italian Tradition

## Traditional Shades

Explore timeless elegance with our Italian Heritage collection, boasting classic colours that pay homage to tradition with a sense of abiding charm and sophistication.

- STEEL
- ALUMINIUM
- MO.

RAL 8019

RAL 3009

RAL 6021

RAL 6005

## Shades of serenity

RAL 6021, known as "pale green," is a light and delicate shade often used in architecture and design to create a calm and natural atmosphere. It evokes fresh, green landscapes, making it ideal for spaces that aim for serenity and freshness, such as the nursery Isola di Peter Pan in Minerbio.

↘ RAL 6021




Caption: ● Available ○ Not available ● MO. Minimum order quantity required ○ MO. Minimum order quantity not required

# Natural Chic Palette


## Modern Shades

This selection combines a sleek surface with a neutral colour palette, creating a fusion of contemporary style and natural elegance. Its smooth texture and neutral hues offer a harmonious balance of modernity and natural allure.


- STEEL
- ALUMINIUM
- MO.



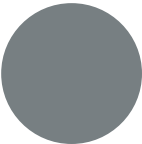
RAL 9010




RAL 9002




RAL 9006



RAL 7037



RAL 7012



RAL 7016

## Velvet Touch Matte Shades

Indulge in luxury with our Velvet Touch Matte Shades, featuring high-quality coatings that exude a matte finish for a touch of sophistication.

- STEEL
- ALUMINIUM
- MO.



E-PEARL



E-SAND



E-MEDIUM  
GREY



E-BROWN

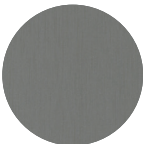


E-DARK GREY


## Zinc Elegance Collection

Discover sophistication with our Zinc Elegance collection, featuring premium coatings designed to replicate the subtle brushed texture of zinc, ensuring both quality and elegance.


- STEEL
- ALUMINIUM
- MO.




ZT-QUARTZ



ZT-ANTHRA



ZT-GREEN



ZT-COPPER

Caption: ● Available ○ Not available ● MO. Minimum order quantity required ○ MO. Minimum order quantity not required

# Metallic Elegance

## Organic Shades

Embracing the beauty of aluminium, our unique coating system features a semi-transparent topcoat paired with a colourless pre-treatment. This primerless approach unveils the inherent metallic aesthetics of the substrate beneath, offering an exceptional colour spectrum that mesmerises the senses.

- STEEL
- ALUMINIUM
- MO.



## Dual Shades

Captivating colour variations arise from the interplay of the basecoat or the top coating flakes, shifting with variations in viewing angle and light exposure. Experience mesmerising colour variations as our coatings interact with light, resulting in captivating variations that evolve with every angle and change in lighting.

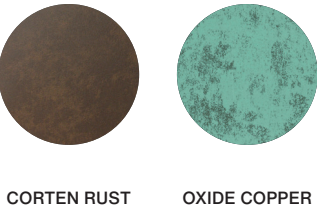
- STEEL
- ALUMINIUM
- MO.



## Oxide Look

Immerse yourself in the rustic charm of our Oxide Look collection, featuring premium coatings meticulously crafted to replicate the visual appeal of various materials through printed layers.

- STEEL
- ALUMINIUM
- MO.



Caption: ● Available ○ Not available ● MO. Minimum order quantity required ○ MO. Minimum order quantity not required

# Bauhaus Inspiration

## Bold Shades

Drawing inspiration from the timeless design principles of the Bauhaus movement, our colour range presents a curated selection of bold hues, infusing depth and vibrancy into every design.

- STEEL
- ALUMINIUM
- MO.



RAL 1004



RAL 3020



RAL 5002



RAL 9005

## Standing out vibrant palette

Our proposal for a commercial building facade combines Bauhaus-inspired colours with white, creating a striking visual impact. This bold, vibrant palette adds modern, artistic flair, drawing attention and making a memorable statement. The vivid colours against a white background highlight architectural features, enhancing the aesthetic appeal and creating a lively atmosphere.

↘ RAL 1004 ↘ RAL 5002 ↘ RAL 3020



Caption: ● Available ○ Not available ● MO. Minimum order quantity required ○ MO. Minimum order quantity not required

# Durable Performance

The Elysium roofing and facade systems boast enduring operational qualities that remain virtually unchanged over time. To ensure longevity, we offer premium materials and a diverse range of coatings backed by up to 40 years of warranty. These coatings, tailored the specific usage conditions, are designed to seamlessly align with the building's life cycle. In addition to the standard polyester coating, we offer the advanced super polyester HDplus, along with options in PVDF 2 and 3. Our commitment lies in delivering a durable performance that excels in both functionality and aesthetics.

# Wide Range — Limitless Creativity

We believe in empowering your creativity without boundaries. That's why, alongside our diverse selection of colours and materials, Elysium provides access to the complete RAL colour palette upon request, with a minimum order quantity. Additionally, we offer a variety of choices for special colours and finishes, which we continuously update in partnership with our suppliers. Your vision drives our commitment to innovation and flexibility.

# Cool Roof options for sustainable urban environments

Urbanization contributes to high surface temperatures, intensifying the Urban Heat Island effect. High Solar Reflectance Index (SRI) coatings provide cool roof solutions by minimizing solar heat absorption, reducing the reliance on air conditioning, and mitigating pollution. By reducing energy consumption for cooling, you can lower energy expenses and enhance the environmental sustainability of your building. Elysium offers a range of high SRI coating options with a 30-year warranty, providing both low environmental impact and long-lasting solutions.



# OUR SERVICE

Drawing from a rich and varied portfolio, our skilled team has accumulated extensive experience, technical proficiency and specialised expertise over the years. This valuable knowledge is at your disposal to breathe life into your projects.

Our range of consultancy services, delivered by our in-house teams, provides expert assistance at every project stage. From initial conceptualisation to design, technical development, specifications, planning, project management, construction, and ongoing maintenance, we are with you every step of the way.

WORKFLOW

Concept Development



The workflow begins with concept development, where our team engages in comprehensive consultancy, analysis, preliminary design and budgeting processes. This stage lays the groundwork for the project's progression, ensuring a solid foundation for subsequent stages.

GUIDANCE

During this stage, we listen to our clients in order to conceptualise and refine the project's vision, ensuring alignment with their objectives and requirements.



ANALYSIS

Next, through diligent analysis and strategic planning, we assess the project's feasibility, identify challenges and explore potential solutions.



PRELIMINARY DESIGN

Following this, we craft a preliminary design, outlining the initial concept and layout based on the client's input and project parameters.



BUDGET

Finally, a budget is established, detailing the estimated costs associated with the project's execution, ensuring alignment with financial constraints and objectives.



Design



The Design stage encompasses a visual process aimed at translating conceptual ideas into actionable plans. It involves a series of crucial steps, including site inspection, detailing, final design, and quantity survey. During this stage of examination and improvement, we scrutinise every detail of the project and ensure it is well thought out, setting the stage for its successful execution.

SITE INSPECTION

The crucial initial step of the Design stage involves meticulous assessment of key issues at the project site, informing conscious design and ensuring successful execution.



DETAILING

Following this, meticulous Detailing is carried out to refine the design, ensuring every aspect is carefully considered and articulated.



FINAL DESIGN

Subsequently, the Final Design is developed, incorporating all modifications and enhancements based on earlier stages and client feedback.



QUANTITY SURVEY

Finally, a Quantity Survey is conducted to precisely estimate the materials, resources, and costs required for the project's execution, facilitating effective planning and budget's accurate definition.



Execution

The Execution phase encompasses the practical implementation of the project plan. This involves creating detailed shop drawings, followed by the installation process carried out by accredited installers under careful supervision. This stage ensures the project is executed according to specifications and quality standards, facilitating a smooth and successful outcome.

SHOP DRAWINGS

The development of detailed Shop Drawings provides a precise framework for project execution, defining the elements and their placement in detail.



INSTALLATION BY AN ACCREDITED INSTALLER

Next, the installation itself is carried out by accredited installers who have undergone rigorous training and certification to meet our stringent standards of site management, quality, and safety.



SUPERVISION

Throughout the installation process, careful supervision is maintained to address any potential issues and ensure compliance with project specifications.

Green Commitment:  
Our Eco-Sustainable  
Solutions

Besides an unwavering focus on energy efficiency and occupant well-being, our solutions are meticulously crafted to minimise environmental impact.

We achieve this by employing materials that are fully recyclable and easily separable for disposal at the end of the building's life cycle. We are dedicated to guiding your project towards a more sustainable future.

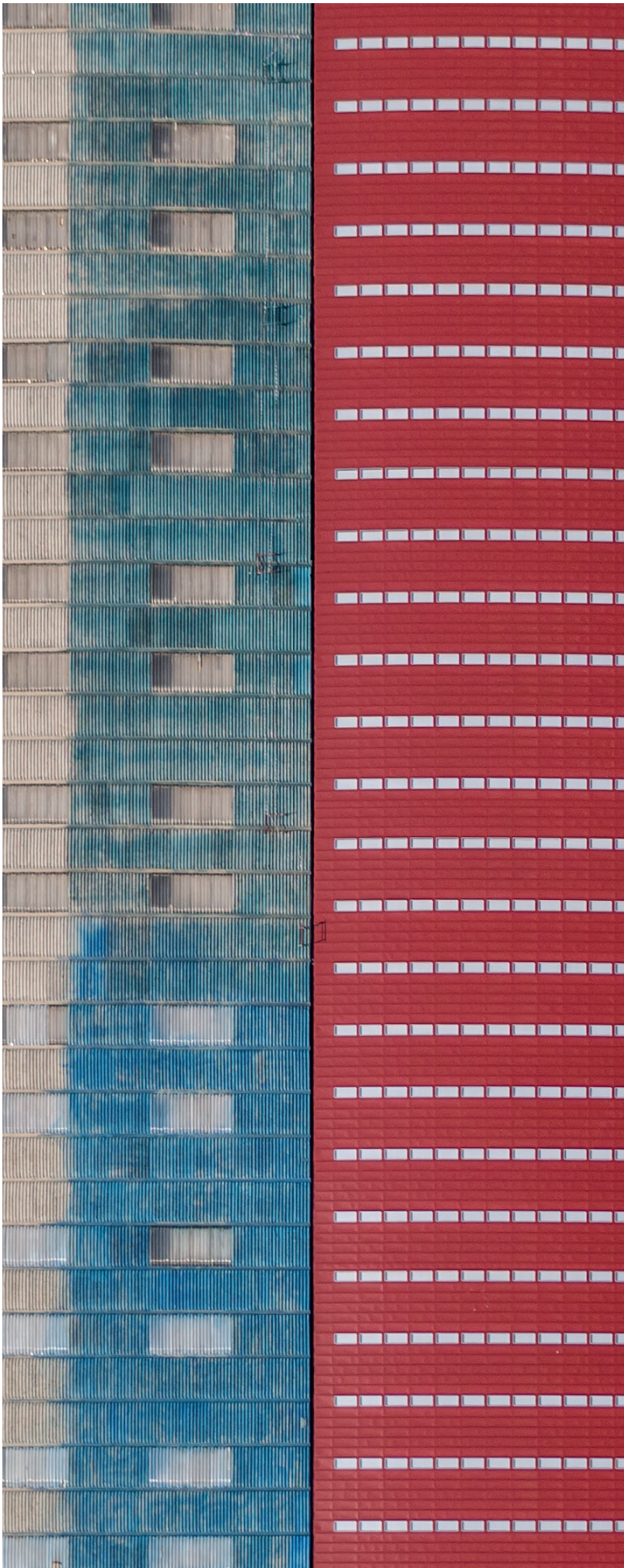
The renovation and recovery of a building often represent the wisest and most eco-sustainable choice compared to demolition and reconstruction. Choosing renovation allows for improved aesthetics and optimized energy efficiency of the building, while preserving its structural integrity.

# REFURBISHMENTS

# Benefits of Elysium’s renovation concept

- Long-term Reliability
- Energy and Acoustic Efficiency
- Structural Lightening
- Aesthetic Enhancement
- Reduced Maintenance Costs
- Sustainability
- Operational Continuity
- Quality Installation

Combining Elysium's expert technical service with our roofing and facade solutions offers a wide array of aesthetic and functional possibilities for renovating your building. Top-notch products paired with expert technical guidance: the winning formula for a successful renovation.



# Enhanced functionality and visual appeal in renovation

Elysium's renovation approach offers a wide range of aesthetic and practical options for revitalising your building. Beyond improving aesthetics, we effectively tackle critical issues such as thermal insulation, soundproofing, alternative energy solutions, fire safety and future maintenance through our integrated approach.

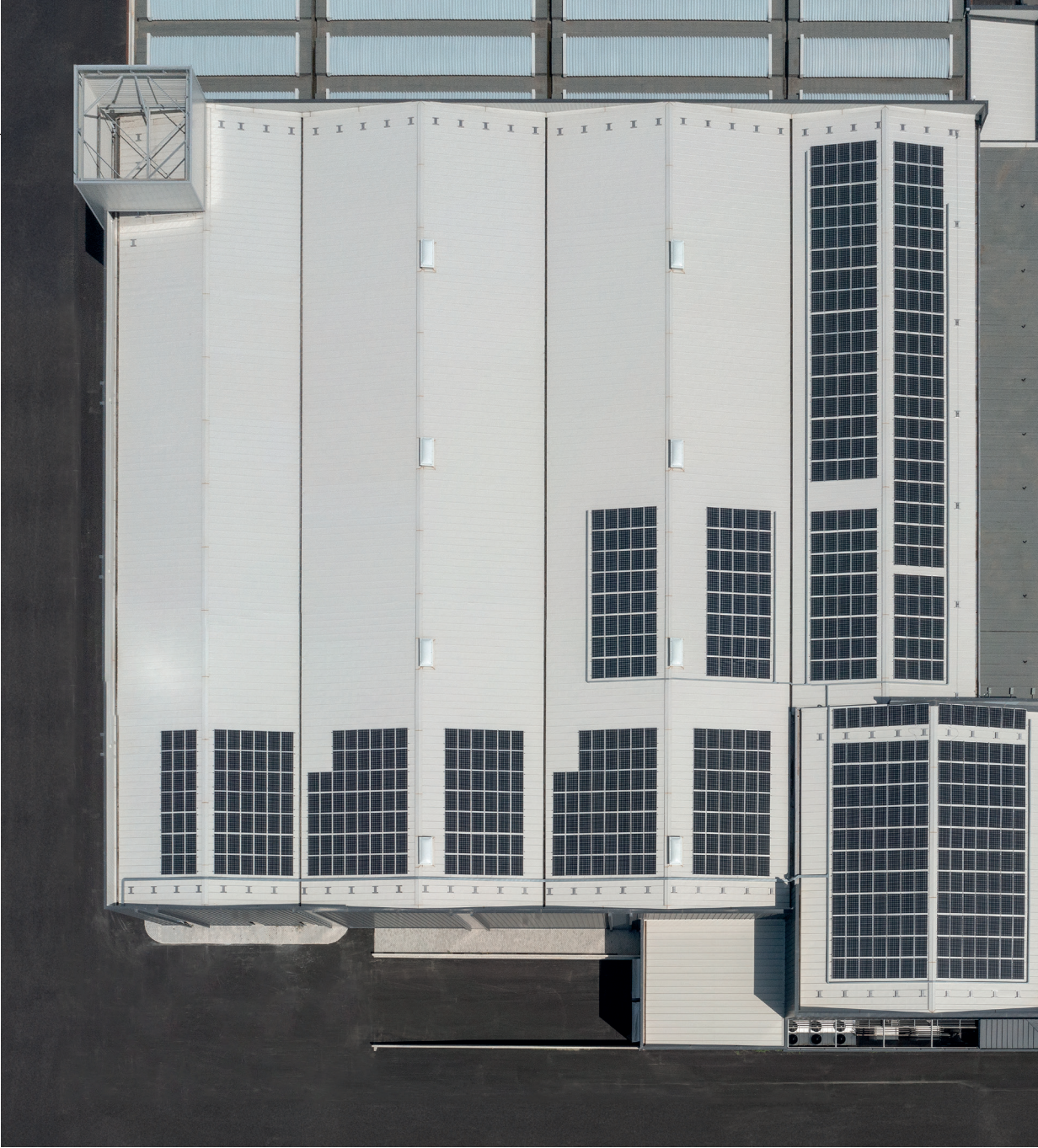


# Delivering excellence through quality products and expert guidance

Starting with a preliminary evaluation of the existing conditions, our Elysium experts will collaborate closely with you throughout every phase of the renovation endeavour. Whether working directly with you or, if required, in conjunction with external specialists, we ensure a custom solution that optimises functionality and aligns seamlessly with your aesthetic vision.

Throughout the process, we provide detailed cost estimates, offering transparency and clarity regarding resource requirements. This serves as a foundation for engaging suppliers and installation professionals, ensuring a smooth and successful renovation journey.

# Refurbishment Projects



**LOGISERVICE**  
LOCATION  
Italy, Basilicata, Matera  
YEAR  
2022  
PHOTO  
—  
↘ ELYROOF ↘ ELYSOLAR ↘ ELYWALL



**MOBILI FONTANA — CATTELAN ITALIA**  
 LOCATION  
 Italy, Vicenza, Costabissara  
 YEAR  
 2022  
 PHOTO  
 —  
 ELYROOF





# Covering all up

Inspired by our vision to shape skylines and breathe life into dreams, Elysium stands as a beacon of innovation and excellence in the realm of roofing and facades. Our mission is clear: to play a leading role in providing innovative solutions for the metal building envelope, contributing to the creation of lasting, energy-efficient, and sustainable architecture, both domestically and abroad.

In today's complex environment, where addressing building envelope issues requires engagement with various stakeholders, including concerns relating to thermal and acoustic properties, photovoltaic systems, security, and fire safety, Elysium aims to be the sole point of contact for all such challenges. Drawing upon our deep-rooted design expertise inherited from Fabris DNA and a vast network of affiliated installers, we streamline the process and provide comprehensive solutions tailored to your needs.

When you choose Elysium, you are not just selecting a service provider; you are partnering with a team of dedicated craftsmen who are deeply invested in bringing your vision to life. With a steadfast commitment to craftspeople, we ensure that every detail is meticulously crafted, every challenge is met with ingenuity, and every project is delivered with utmost precision.

**Choose Elysium — where precision is paramount, and every dream is brought to life.**



## Appendix

# TECHNICAL INFORMATION

1.

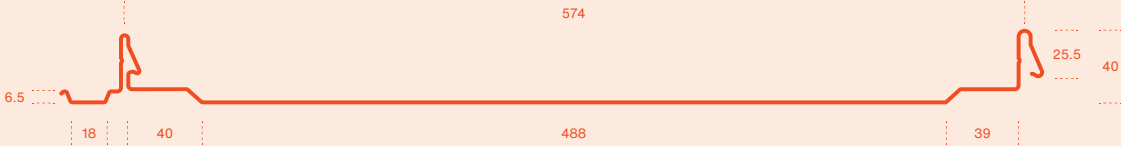
ELYROOF and ELYWALL sheet dimensions

The profiled sheets of the ELYROOF and ELYWALL systems are available in aluminium, steel, stainless steel, copper and titanium-zinc. They are manufactured in 3 standard widths: 574 mm, 450 mm and 324 mm. The length of the sheets is customizable to fit the roof dimensions.

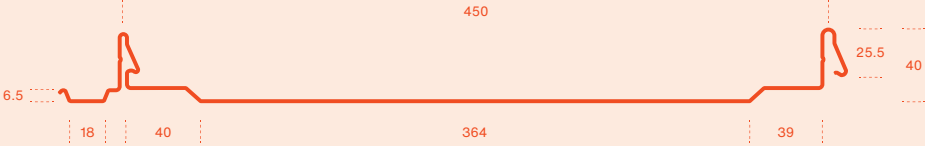
Manufacturing can occur both in the factory and on-site using our mobile production unit (available exclusively for 574 mm wide profiles). Factory production is carried out up to a standard length of 13.40 metres (production and delivery of longer sheets, up to a maximum of 35 metres, will depend on any limitations related to exceptional transport). Depending on the project size or other operational considerations, on-site production may also be considered for transportable lengths at Elysium's discretion.

[Further Information on the Technical Data Sheet.](#)

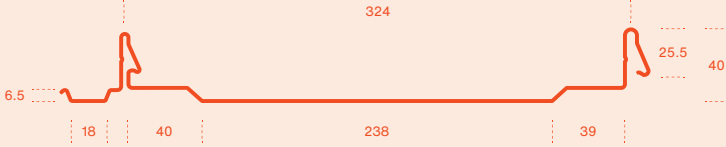
574



450



324



2.

ELYROOF and ELYWALL sheets' typical weights and thicknesses

574		450		324	
kg/m	kg/m <sup>2</sup>	kg/m	kg/m <sup>2</sup>	kg/m	kg/m <sup>2</sup>

Aluminium alloy 5754

THICKNESS						
0.7 mm	1.42	2.47	1.18	2.63	0.95	2.92
0.8 mm	1.62	2.82	1.35	3.00	1.08	3.33
1.0 mm	2.03	3.53	1.69	3.76	1.35	4.17

Steel / Aluzinc

THICKNESS						
0.6 mm	3.53	6.15	2.95	6.55	2.36	7.27
0.8 mm	4.71	8.21	1.69	3.76	3.14	9.69

Copper

THICKNESS						
0.6 mm	4.02	7.00	3.35	7.45	2.68	8.27
0.7 mm	4.69	8.17	3.91	8.70	3.13	9.65
0.8 mm	5.36	9.33	4.47	9.94	3.57	11.02

Titanium-zinc

THICKNESS						
0.7 mm	3.78	6.59	3.16	7.01	2.52	7.78
0.8 mm	4.32	7.53	3.61	8.01	2.88	8.89

3.

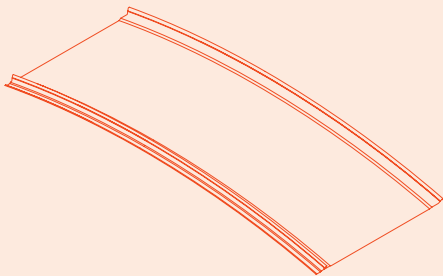
Curving

The ELYROOF and ELYWALL sheets can take on a convex, concave, or a combination of both curvatures within the same sheet. Depending on the material used and the desired radius of curvature, the sheets can self-curve or require mechanical curving using a curving machine.

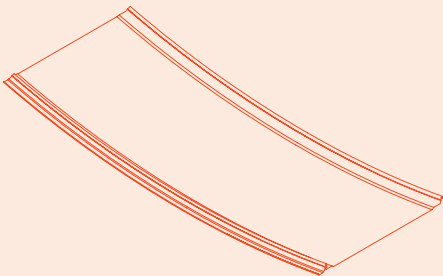
Minimum curving radii (m)

	Self-Curving		Machine Curving	
	Convex	Concave	Convex	Concave
Aluminium	12	36	1.70	—
Steel	18	36	1.70	—
* Machine Curving only available for panel width 574 mm. * With transverse ribbing of the surface only. * Paint protection film is mandatory.				

Convex



Concave



Combination



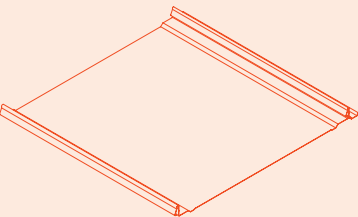
4.

Surface ribbing of the ELYROOF and ELYWALL sheets

The ELYROOF and ELYWALL sheets are available in three surface ribbing options: smooth, with transverse ribbing, or with longitudinal ribbing. Both transverse and longitudinal ribbing provide smoothness and rigidity to the flat part of the sheet. The function of the ribs (longitudinal or transverse) is primarily aesthetic, and the choice of an option depends solely on aesthetic preferences. The decision to opt for the smooth surface

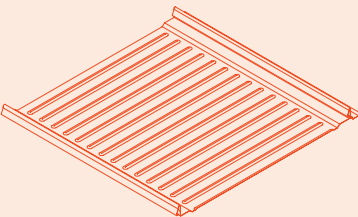
option is also based on aesthetic considerations. However, this choice does not allow for controlling the rigidity and smoothness of the flat part of the sheet and may result in slight undulations (oil can effect). In this case, although the aesthetics of traditional standing seam sheets are achieved, the intensity and presence of such undulations are not controllable.

Smooth



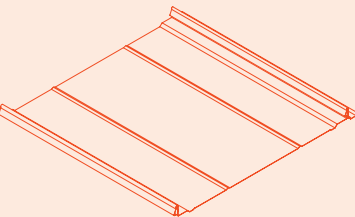
Sheets width: 324 450 574

Transverse Ribbing



450 574

Longitudinal Ribbing

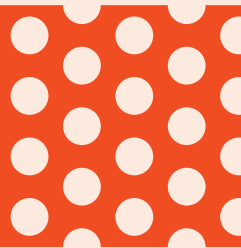


450 574

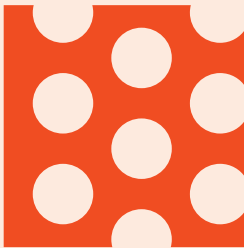
5.

ELYWALL sheet perforation

The perforation of the ELYWALL sheet allows for functional benefits such as ventilation and solar shading, while also expanding creative possibilities for architectural design. Below are some of the standard options available.



Ø mm 5 — inter. 8



Ø mm 8 — inter. 12



4x20



10x30

For further information or additional options, contact our technical service.

\* Perforation is not available when combined with anti-condensation and anti-drumming layers (see 6).  
\* Perforation is only available with aluminium.

6.

Functional complements to the sheet: anti-condensation layer and anti-drumming layer

The underside of the sheets, if necessary, can be equipped with anti-condensation felt and/or anti-drumming layer. The integration of the felt (1 mm thickness) occurs during the production process. The use of these complements is recommended especially in "single skin" configurations,

meaning the use of the sheet without the presence of insulation in contact with the intrados of the sheet. Like all metal sheets, Elyroof sheets used in a single skin configuration could indeed become noisy in case of wind, rain, or hail.

7.

Paint protection film

A protective film can be applied upon request to the upper surface of the Elysium roof and facade sheets to preserve the coating during transportation and handling. It is recommended that a protective film be applied, especially for facade applications or, in general, for pre-painted steel panels. The film is mandatory for mechanically curved sheets.

8.

Structural performance of ELYROOF and ELYWALL sheets

ELYROOF and ELYWALL sheets, when made of aluminium or steel, are self-supporting and do not require continuous support beneath them, both in roofing and facade applications. This means that expensive continuous substructures like those needed for traditional standing seam sheets are not necessary. Additionally, with a support span of up to 1200 mm, ELYROOF sheets are fully walkable without the risk of permanent deformation.

In the case of using titanium-zinc and copper as the base metal, continuous support is always recommended due to the material's characteristics. For the same reason, with these materials, it is not possible to install fall protection systems without perforating the roof.

9.

Reference standards and testing of ELYROOF and ELYWALL sheets

Impermeability under complete flooding conditions

In compliance with the UNI EN 14782:06 standard, specifically point 4.4, the ELYROOF PLUS sheet showed no signs of leakage after being immersed in a stagnant tank for 60 days.

Wind resistance

Load tables in compliance with ASTM E1592 standards and D.M. 14/01/2008.

Fire resistance

BRoof(T2) in accordance with the UNI EN13501-5:2016, with the presence of an anti-condensation and/or anti-drumming layer.

Walkability

Walk-ability load test on discontinuous substructure for steel and aluminum sheets. Fully walkable in accordance with the UNI EN 13782:06 standard - Appendix B and D.M. 14/01/2008.

Thermal expansion

Thermal expansion test conducted on 40-metre-long ELYROOF 574 aluminium sheets, directly fixed to the substructure. Simulated extreme conditions (+ 70 °C maximum temperature and a thermal fluctuation of 65 °C).

Rainfall impact noise

Sheet tested in single skin configuration with and without anti-drumming layer according to standards UNI EN ISO 10140-1:2016 and UNI EN ISO 10140-5:2014.

# 10. Installation Requirements of ELYROOF and ELYWALL sheets

Substructure and possible separation layer	Fixing
<p>The installation of ELYROOF and ELYWALL sheets is carried out on:</p> <ul style="list-style-type: none"><li>• Continuous substructure (decking or OSB panels) with a minimum thickness of 25 mm. This layout is recommended when Elysium sheets are made of titanium-zinc and copper, and in such cases, a separation layer is advised.</li><li>• Discontinuous substructure (wooden or metallic battens with a minimum width of 50 mm). With a distance between substructure elements equal to or less than 1.2 m, the walkability of ELYROOF sheets made of aluminium or steel is always guaranteed.</li></ul>	<p>ELYROOF and ELYWALL outer panels provide two distinct fixing methods:</p> <ul style="list-style-type: none"><li>• Direct fixing using self-tapping screws for metal and wood.</li><li>• Fastening through specific brackets suitable for sliding.</li></ul> <p>The choice between the two fixing methods or a combination of both depends on the maximum length of the sheets and the type of metal used.</p> <p>For further information, please consult the installation manual or contact the technical support service.</p>

# 11. Thermal performance

All our roof and facade systems can be customised to meet various insulation requirements, ensuring the achievement of low U-values. We offer a range of high-performance insulation solutions, always prioritising environmental and fire safety considerations. Our technical service is available to assist you in selecting the most suitable solution.

# 12. Acoustic performance

Sound absorption and sound proofing are essential for quiet environments, clear communication, and overall well-being in internal spaces. ELYROOF and ELYWALL systems allow for achieving the most effective configurations for roofs and walls in this regard. Our technical service will be happy to assist you in configuring the optimal solution.

# 13. Fire behaviour

Both ELYROOF and ELYWALL outer sheets mill finished or polyester coated, without anti-drumming and/or anti-condensation layers, achieve Euro Class A1 – European fire testing standards (EN 13501-1) in terms of fire behaviour and are classified as non-combustible. Elysium's proposed build-ups always tend to include components falling within Class A1 for fire reaction, starting from the mineral wool thermal insulation and encompassing all other functional and support elements. In case of specific requirements, please contact our technical service.

# 14. Lightning protection system

In the case of installing lightning protection systems (LPS), Elysium profiles allow for seamless integration of these elements using specialized accessories, eliminating the need for drilling.

# 15. Fall protection systems

We provide fall restraint safety systems tailored for ELYROOF sheets in aluminium or steel , comprising safety lines and anchor points. These components have undergone rigorous testing and received approval for compatibility with ELYROOF panels, adhering to both national and European codes and standards (UNI EN 795:2012-C, UNI 11578:2015-C, UNI EN 795:2012-A, and UNI 11578:2015-A). Offering efficient and non-penetrative top-fix installation, both systems eliminate concerns related to thermal bridging and the risk of leaks, ensuring quick and easy implementation.

For fall protection systems on copper and zinc-titanium sheets, please contact the technical department.

# 16. Walkways and steps

Although Elysium sheets are fully walkable, it is possible to install an integrated walkway system to facilitate movement on the roof and mitigate the risk of potential damage caused by careless or frequent passage. In the case of a sloped roof, the walkway system will include steps. Specifically designed to integrate with ELYROOF panels, the walkways are securely attached to the roof profile without the need for drilling, thus preserving the overall structural integrity of the roof surface.

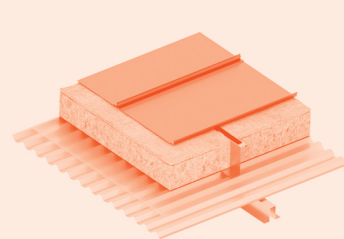
# 17. Integrative components/ accessories for construction details

Fastening brackets, ridge brackets, snow guard bars and other components designed for typical construction details of a roof or facade have been seamlessly integrated into the Elysium system to provide a comprehensive, guaranteed and easily maintainable solution.

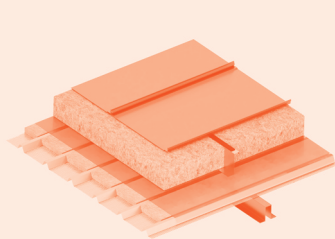
# 18. Typical construction configurations

\* These system configuration examples are for general guidance only and should not be used for engineering design purposes

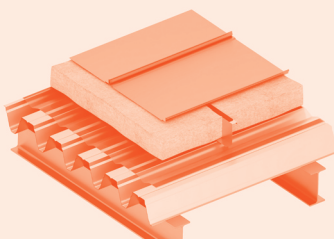
## Roofing



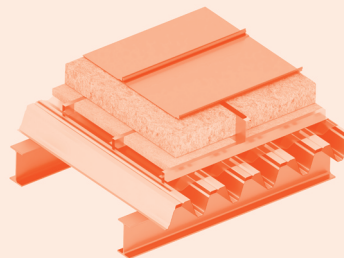
Insulated system on liner deck



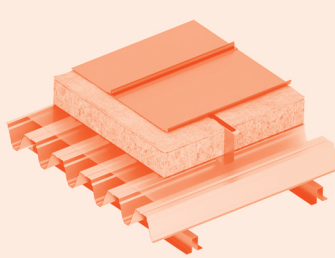
Insulated acoustic system (sound absorption) on liner deck



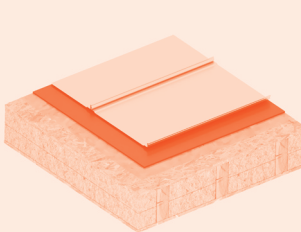
Insulated system on structural deck



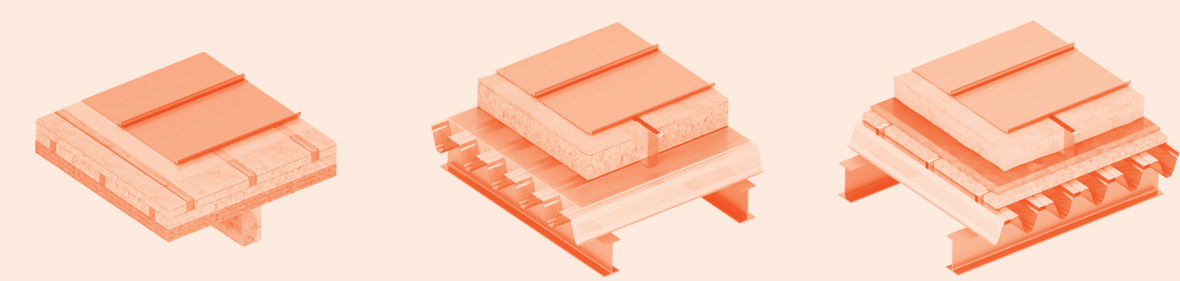
High insulation system with crossed substructure on structural deck



High insulation system on structural deck



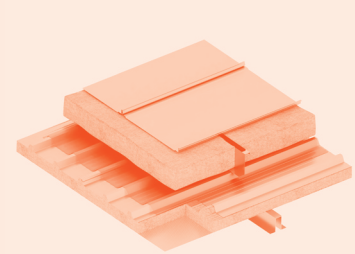
High insulation system with prefab. insulated timber box



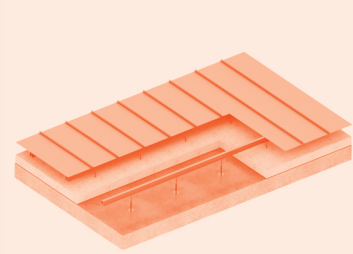
High insulation system on timber structure

Insulated acoustic system (sound absorption) on structural deck

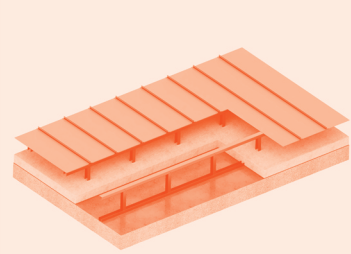
Insulated acoustic system (sound absorption+attenuation) on structural deck



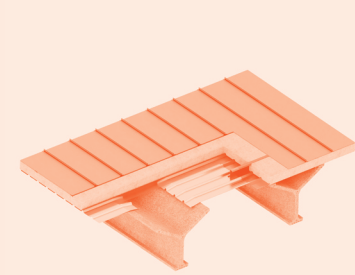
Insulated acoustic system (sound absorption) with mineral wool panel



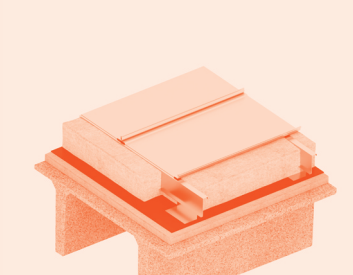
Retrofit roofing on concrete slab



Retrofit roofing on concrete slab

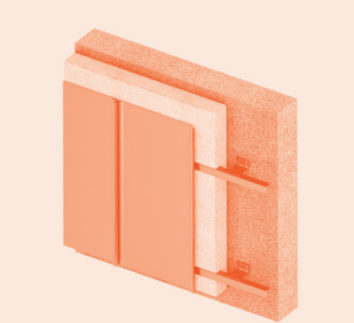


Retrofit roofing on Y concrete beam

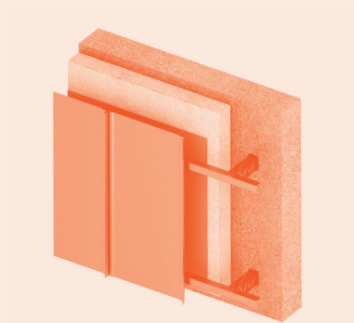


Retrofit roofing on TI concrete beam

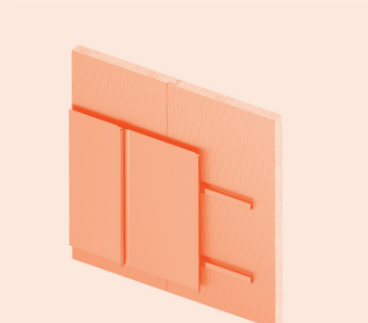
# Facade



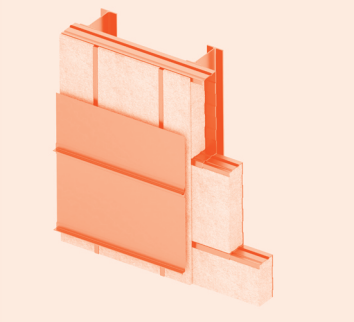
Insulated system on concrete wall



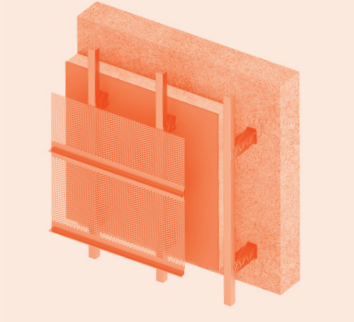
Ventilated insulated system on concrete wall



Rain screen on mineral wool sandwich panel



Insulated system on structural cassette



Insulated system on concrete wall with decorative perforated panel

## Notes

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**ALL COVERED**

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**Elysium**

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