# PRIME LINE

## COMPANY PROFILE

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# ABOUT US

# WHAT WE DO

Established in 2016, Prime Dot Trading Company was founded with a clear vision to deliver premium-quality glass, aluminum, and products to regional and international markets. Through strong partnerships with leading manufacturers and the use of state-of-the-art machinery, we ensure consistent quality, reliability, and competitive pricing across our product range.

Serving clients throughout GCC countries and beyond, Prime Dot has built a solid reputation for excellence, integrity, and customer-focused service. Our long-term commitment to customer satisfaction allows us to maintain strong relationships with developers, contractors, architects, and other industry professionals.

With offices in Beirut and Dubai, Prime Dot Trading Company possesses the expertise, resources, and capability to supply and manage projects worldwide. Driven by professionalism and innovation, we continue to grow as a trusted trading partner, dedicated to meeting the evolving needs of our customers.

# HOW WE DO IT

We provide our clients with a comprehensive range of premium-quality products, delivered in the shortest possible time and at highly competitive prices—ensuring a completely hassle-free experience.

Specialized in high-end architectural and industrial solutions, we are supported by a dedicated team of skilled professionals and robust quality control systems. This enables us to consistently meet the highest industry standards and confidently support commercial, industrial, and architectural projects.

Our streamlined operations offer clients a single point of contact, eliminating the complexities of procurement, engineering, packing, shipping, logistics, and coordination. From order placement to on-site delivery, we manage every stage of the process and provide continuous technical and operational support to ensure long-term satisfaction.

# THIRD-PARTY INSPECTION SERVICE

To further minimize your risks and ensure product quality, safety, performance, and full compliance with national and international standards and regulations, we rely not only on our in-house inspection teams but also offer third-party inspection services through the world's leading inspection, verification, testing, and certification companies. These services cover the entire supply chain, from raw materials to final products, providing complete transparency and confidence at every stage.

# OUR PRODUCTS

Driven by quality, value, and trust, we strive to exceed expectations and build enduring client relationships.

# GLASS

Beyond its functional purpose, glass can be designed and used to transform the appearance of a space as a decorative material, commonly known as ornamental glass. Frosted, colored, and textured glass are among the most widely used decorative forms, creating visually impressive and expressive effects.

In architecture, glass has enabled the evolution from solid, opaque walls to transparent and light-permeable building envelopes. It allows structures to appear open, lightweight, and visually connected to their surroundings.

This material makes it possible to create transparent and seemingly weightless buildings, strengthening the relationship between interior and exterior spaces.

- TEMPERED GLASS
- LAMINATED GLASS
- INSULATED GLASS
- CURVED TEMPERED GLASS
- DOUBLE CURVED GLASS
- J SHAPED GLASS
- HEAT-SOAKED GLASS
- ACOUSTIC GLASS
- CERAMIC SILK SCREEN GLASS
- DIGITAL PRINTED GLASS
- SMART & SOLAR GLASS

# INSULATED GLASS

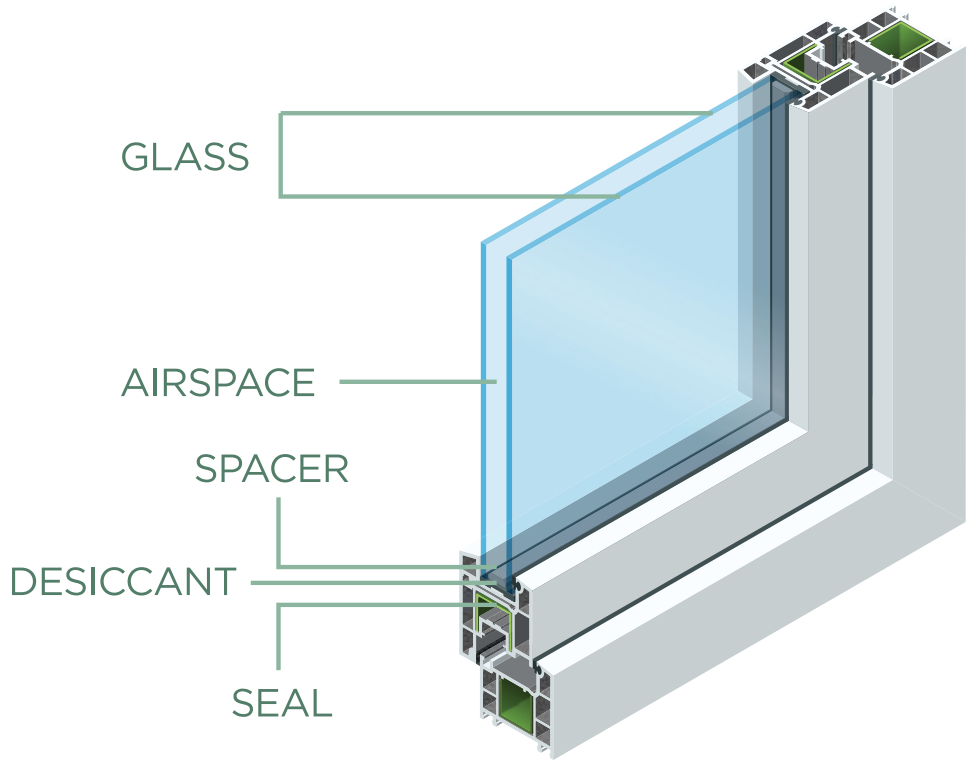
By combining low-E coatings, standard and high-performance tinted glass, reflective coatings, ceramic silkscreen glass, laminated products, and other specialized materials, a wide range of insulated glass (IG) configurations can be produced to meet diverse performance and aesthetic requirements. These include compliance with energy and safety regulations, acoustic and seismic standards, and resistance to impact, bullets, hurricanes, and blasts.

In addition, IG units can be engineered to enhance solar and thermal performance by minimizing solar heat gain and reducing heat loss, while maintaining high levels of visible light transmittance. Depending on the selected glass type, IG units may also provide ultraviolet screening to reduce interior fading and support decorative design objectives.

The glass panes within an insulated glass unit may be manufactured as annealed, heat-strengthened, tempered, or laminated, depending on performance and safety requirements.
Insulated glass units provide reliable performance for a wide range of exterior applications, from standard and sloped glazing to skylights, covering both visible and non-visible areas.

# INSULATED GLASS CAPABILITIES

| | |
|---|---|
| **MAXIMUM DIMENSIONS** | 3,300 mm x 18,000 mm |
| **MINIMUM DIMENSIONS** | 300 mm x 300 mm |
| **SPACER THICKNESS** | 6 mm – 9 mm – 12 mm<br>14 mm – 15 mm – 16 mm<br>18 mm – 20 mm - 24 mm |
| **GLASS THICKNESS** | 3-19 mm |
| **COMPLIANCE CODE** | GB/T 11944 ASTM E2190<br>EN1279 JIS R3205<br>AS/NZS4666 |



# TEMPERED GLASS

Processed in a tempering oven to modify its strength and breakage characteristics—including the size and shape of fragments after breakage—heat-treated glass is classified into two distinct types: heat-strengthened glass and fully tempered glass.
These classifications are defined in ASTM C1048, Standard Specification for Heat-Treated Flat Glass; Heat Strengthened, Fully Tempered, Coated and Uncoated Glass, issued by ASTM International.

Both types of heat-treated glass offer significantly higher stability and resistance to impact, mechanical loads, and thermal stress compared to annealed (non-heat-treated) glass. While both exhibit improved strength and enhanced breakage characteristics, only fully tempered glass—the stronger of the two—meets recognized safety glazing standards and is therefore suitable for applications requiring certified safety performance.

# FULLY TEMPERED GLASS

Commonly referred to as tempered glass, fully tempered glass is approximately four times stronger than annealed glass of the same thickness and configuration.
When broken, tempered glass fractures into numerous small, blunt fragments and typically vacates the opening. This breakage pattern significantly reduces the risk of serious injury compared to annealed glass and enables it to meet all applicable safety glazing standards.
However, fully tempered glass should not be installed in areas exposed to temperatures exceeding approximately 400°F (204°C), as prolonged exposure may cause it to lose its temper and revert to annealed glass characteristics.
Through the use of a computerized distortion monitoring system, roll wave, pocket distortion, and end kink are measured and corrected in real time. This advanced process enables the production of heat-treated glass that is virtually free of distortion.
Roll wave peak-to-valley values are calculated across the entire surface area of each glass lite, displayed to operators in real time, and stored in a database for future review and analysis when required.

# TEMPERED GLASS

## CAPABILITIES

| | |
|---|---|
| **MAXIMUM DIMENSIONS** | 3,300 mm x 18,000 mm |
| **MINIMUM DIMENSIONS** | 300 mm x 300 mm |
| **THICKNESS** | Tempered: 3-19 mm |
| **COMPLIANCE CODE** | ASTM C 1048 ANSI Z 97.1<br>EN 12150<br>BS 6206<br>BS EN 12600 |

Tempered glass is approximately four time as strong as annealed glass of the same thickness and configuration. When broken, it fractures in a pattern similar to annealed glass but into smaller pieces.
It is commonly used in laminated glass for general glazing applications where enhanced strength and increased resistance to mechanical or thermal stress are needed, but where full safety glazing compliance is not required.

**A PERFECT REFLECTION EVERY TIME!**

**STRENGTH, SAFETY, AND PERFECTION IN REFLECTION—TEMPERED GLASS BRINGS BOTH PERFORMANCE AND BEAUTY TO EVERY PROJECT.**

# LAMINATED GLASS

Add unsurpassed safety, security, and performance to your glazing applications with our laminated glass products, without limiting yourself to certain glass types, colors, or sizes anymore!

Our laminated glass offerings are available in a full range of glass types, including clear, tinted, reflective, low-E, spandrel, and ceramic frit silkscreen, all delivered with exceptional quality, advanced features, and oversized capabilities comparable to our heat-treated, heat-soaked, and insulated glass products.

A wide variety of interlayer thicknesses, opacities, and colors are available to meet your specific design and performance requirements, including:
- PVB Laminated Glass
- SentryGlas® Plus SGP Laminated Glass

Most laminated glass units are typically constructed by permanently bonding two or more plies of glass with one or more interlayers. The interlayer's ability to support and hold the glass fragments when broken provides laminated glass with its key characteristic: protection against fallout.
Penetration resistance, however, depends on several factors, including the overall glass thickness and the type of interlayer used.

Additionally, laminated glass allows for a wider range of coating options than monolithic glass. For example, Low-E coatings—which cannot be exposed and thus cannot be used on monolithic glass—can be safely incorporated within a laminated unit where they are protected.

Laminated glass also offers greater aesthetic versatility due to the variety of interlayer colors and opacities available. This flexibility is particularly beneficial when bright, vivid colors or opaque, translucent, or frosted finishes are desired.
Furthermore, when Low-E coatings or ceramic silkscreen patterns are applied, they are typically placed on the exterior glass ply, leaving the interior ply available for additional treatments. For instance, in spandrel applications, a fullcoverage opaque ceramic frit can be applied to the outer face (surface #4), while in vision areas, a translucent ceramic frit can be applied to surface #3 to allow daylight while minimizing direct view-through.

Beyond aesthetics, laminated glass provides functional benefits such as noise reduction through the interlayer's sound dampening properties. It also offers blast-mitigation and hurricane resistant capabilities. The performance of laminated glass in blast applications depends on the overall glazing system, including the adequacy of the frame and its anchoring to the wall structure. For optimal results, the involvement of a blast
consultant is recommended. Regarding hurricane resistance, every laminated glass product we offer has passed impact and cyclic wind-pressure testing and meets or exceeds the stringent code requirements for coastal regions.

## CAPABILITIES

| | |
|---|---|
| **MAXIMUM DIMENSIONS** | 3,300 mm x 18,000 mm |
| **PVB FILM THICKNESS** | 0.38-3.04 mm |
| **SGP FILM THICKNESS** | 0.76-1.52 mm |
| **COMPLIANCE CODE** | ASTM – C 1172<br>BS EN ISO 12543<br>ANSI Z97.1<br>AS/NZS2208 |

# CURVED GLASS

Curved tempered or heat-strengthened glass is produced by heating glass to softening temperature, then bending it by weight or external force, and finally fast-cooling it with air.

Using advanced synchronized roller-way formation technology, we are able to manufacture a wide range of curved tempered glass products—including round, Jshaped, and custom profiles—with exceptional precision and quality.

Our capabilities extend to single-curved, laminated, and insulated curved glass, with optional Low-E coatings to enhance thermal performance and energy efficiency.

## CAPABILITIES

| | |
|---|---|
| **MAXIMUM DIMENSIONS** | 3,000 mm x 12,000 mm |
| **MINIMUM DIMENSIONS** | 500 mm x 500 mm |
| **THICKNESS** | 5-19 mm |
| **COMPLIANCE CODE** | GB 15763.2 - ASTM 1464<br>AS/NZS 2208 - BS/EN 1215 |

# J-SHAPED GLASS

J-shaped glass is formed through advanced bending processes that create smooth, continuous curves within a single panel. This specialized shape allows for seamless transitions between vertical and horizontal surfaces, offering both structural functionality and refined aesthetics.

Designed with precision and durability, it is ideal for architectural features that require distinctive forms without compromising strength or visual clarity.

Available in tempered, heat-strengthened, laminated, or insulated configurations, J-shaped glass can also incorporate Low-E coatings, ceramic frit patterns, and other advanced performance features.

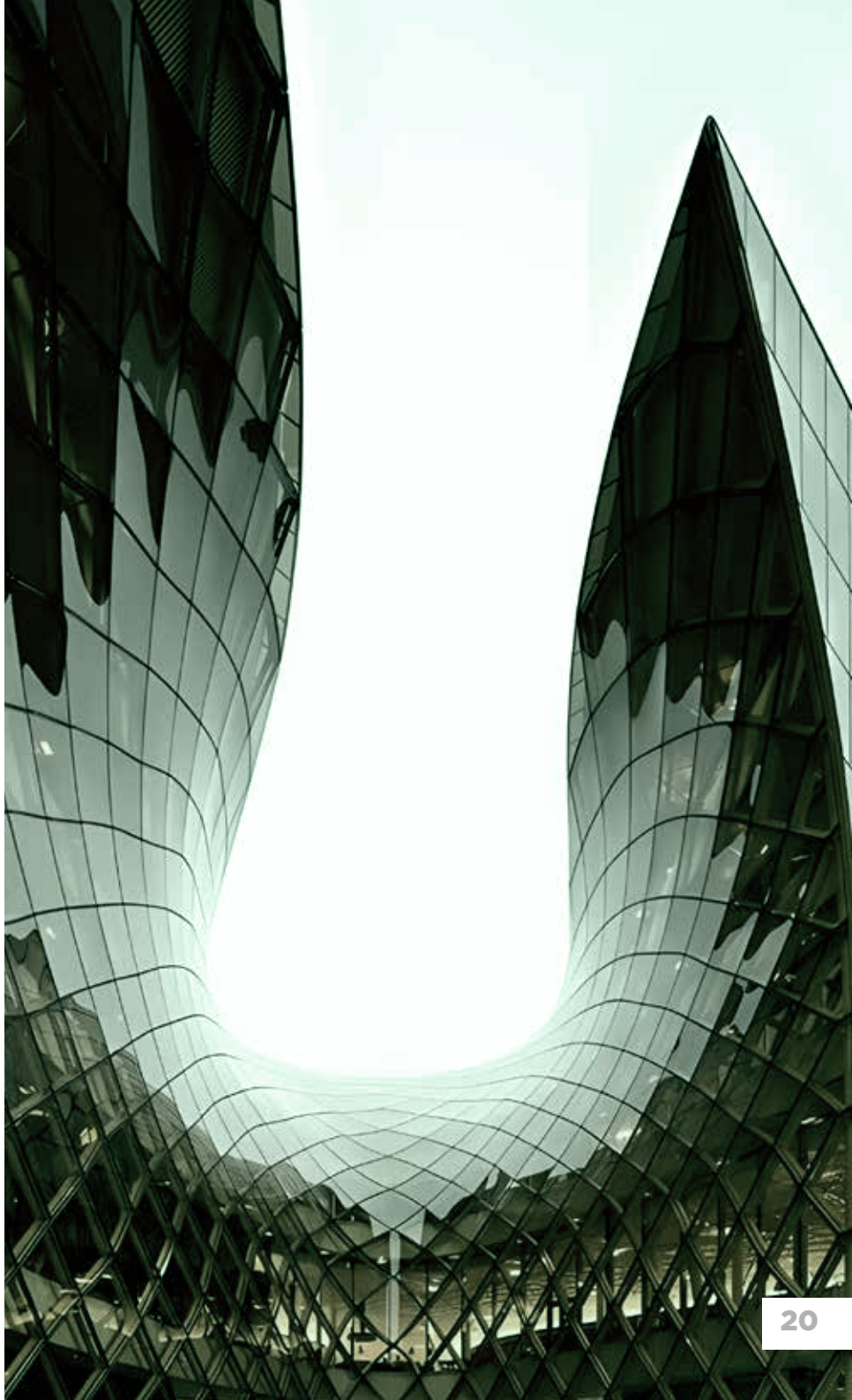
Ideal for balconies, stair railings, shower enclosures, façades, and bespoke architectural elements, Jshaped glass delivers a refined, modern look while maintaining the highest standards of safety and quality.

# DOUBLE CURVED GLASS

Double curved glass is also a kind of prestressed glass, the method of tempering is changing the curved radians of the front and back on the basis of two or more directions of the glass according to the requirements, while maintaining strength and durability. Its seamless curves bring design flexibility and visual impact, allowing architects to realize complex forms with elegance and reliability.

## CAPABILITIES

| | |
|---|---|
| **MAXIMUM DIMENSIONS** | 4,500 mm x 12,000 mm |
| **MINIMUM DIMENSIONS** | 600 mm x 600 mm |
| **THICKNESS** | 5-19 mm |
| **COMPLIANCE CODE** | GB 15763.2 - ASTM 1464<br>AS/NZS 2208 - BS/EN 1215 |



# HEAT-SOAKED GLASS

Our advanced heat-soaking process provides superior protection by dramatically reducing the risk of spontaneous on-site glass breakage, helping to prevent unexpected losses.
With the capability to produce oversized heat-soaked glass and the latest digital recording technology, we automatically track and document every batch, ensuring full compliance with the strict EN 14179 standard. Safety, reliability, and peace of mind—guaranteed.

## CAPABILITIES

**MAXIMUM DIMENSIONS** — 3,300 mm x 12,000 mm

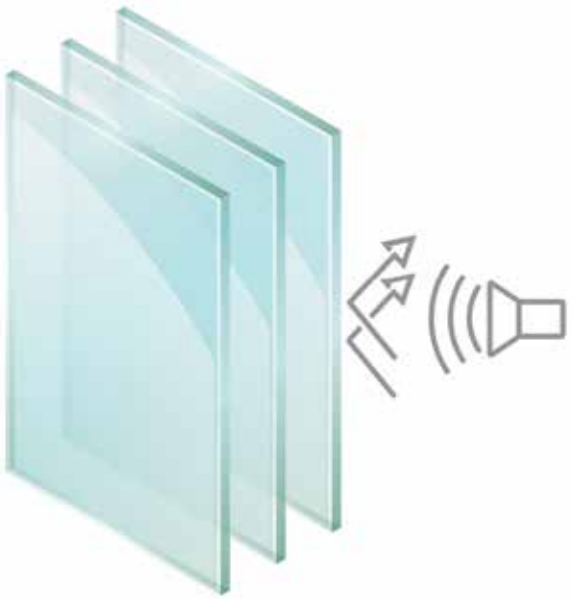
**MINIMUM DIMENSIONS** — 300 mm x 300 mm

# ACOUSTIC GLASS

For environments exposed to high noise levels—such as areas near airports, busy highways, or industrial zones—our acoustic glass provides the ultimate solution. In addition to superior acoustic insulation, it offers all the benefits of laminated glass, including enhanced safety, security, and durability.

Acoustic glass can be combined with solar-absorbing laminated glass or any of our tinted interlayer for added performance and aesthetic effects. Unlike monolithic glass, which allows sound to pass easily, our sound-control interlayer is soft and flexible, reducing noise transmission by approximately 50%.

Specifically engineered to target the 1,000–3,000 Hz “noise transparency” range—where the most irritating sounds penetrate windows—our acoustic glass decouples and disperses sound waves, delivering unmatched acoustic comfort for interior spaces.



**SOUND SOLUTION FOR ALL APPLICATIONS.**
**AIRPORT HEAVY TRAFFIC**
**FACTORIES**
**RESTAURANTS**

## CAPABILITIES

| | |
|---|---|
| **MAXIMUM DIMENSIONS** | 3,300 mm x 12,000 mm |
| **ACOUSTIC PVB MEMBRANE THICKNESS** | 0.38-3.04 mm |
| **COMPLIANCE CODE** | ASTM – C 1172<br>BS EN ISO 12543<br>ANSI Z97.1<br>AS/NZS2208 |

# CERAMIC SILKSCREEN GLASS

Our Ceramic silk screen decorative glass combines beauty, safety, and functionality, allowing designers to create truly customized exterior and interior applications. Using standard or custom screened patterns in a wide variety of colors, our products meet a diverse range of design requirements.

Available as monolithic, insulated, or laminated units, silk screened glass can be produced in single-piece orders or high-volume runs. Each piece is custom-made by transferring a silkscreen image onto the glass and processing it in a horizontal tempering furnace, ensuring both precision and durability.

Each individual lite is screen-printed with the desired pattern and ceramic enamel frit color. The ceramic frit can be silkscreened onto the glass substrate in one of three standard patterns — dots, lines, or holes — or applied as a full coverage application. In addition, custom patterns can be easily duplicated on the glass.

Depending on the pattern and color, the glass lite can be made transparent, translucent, or opaque.

It is interesting to note, for example, that light frit colors and certain design patterns enhance indoor brightness under specific lighting conditions, while dark frit colors tend to reduce glare.

## CAPABILITIES

| | |
|---|---|
| **MAXIMUM DIMENSIONS** | 3,300 mm x 12,000 mm |
| **MINIMUM DIMENSION** | 300 x 300 mm |
| **PVB MEMBRANE THICKNESS** | 5-19 mm |
| **COMPLIANCE CODE** | ASTM C1048<br>AS/NZS 2208<br>BS EN 12150 |

# DIGITAL PRINTED GLASS

Where creativity meets performance in modern façade and interior design.

Digital printing on glass is an advanced process that uses ceramic inks and highresolution digital printers to apply custom designs directly onto glass surfaces.
The printed glass is then heat-treated (typically tempered), permanently fusing the ceramic ink into the glass.

Digital printing also provide control of all architectural and design glass special elements, including:

- **TRANSLUCENCY/OPACITY**
- **DIFFUSION & TRANSMISSION**
- **PRIVACY LEVELS**
- **ELECTRICAL CONDUCTIVITY**
- **SLIP RESISTANCE**
- **ANTI-BIRD COLLISION**

**DIGITAL PRINTED GLASS OFFERS A WIDE RANGE OF EXCLUSIVE BENEFITS:**

## DURABILITY
Once tempered, ceramic inks achieve the same resistance as the glass itself, both on interior and exterior surfaces, ensuring long-lasting performance.

## SIZE
Our modular hardware and advanced software enable precise, flexible, and flawless printing on everything from small panes to entire building facades, with perfect registration across multiple panels.

## DESIGN
Micro-drop precision allows for highly detailed, accurate, and photorealistic or graphic designs and gradients, producing personalized glass with opaque, transparent, textured, or other custom effects.

## COLOR
Advanced technology allows for virtually limitless multi-color designs to be printed on a single glass pane, enabling unmatched creative freedom.

## FUNCTION
With micro-drop precision, these designs can be tailored for light diffusion, controlled light transmission, energy efficiency, sun and temperature control, privacy, and a wide range of both functional and aesthetic requirements.

## RESISTANCE
Fused permanently into the glass, ceramic inks are highly durable—resistant to harsh weather, scratches, and acids—making them ideal for exposed, hightraffic, and graffiti-prone installations.

## CAPABILITIES

| | |
|---|---|
| **PRINT RESOLUTION** | 720 dpi (real) |
| **MAXIMUM DIMENSIONS** | 3,300 mm x 12,000 mm |
| **MINIMUM DIMENSION** | 300 x 300 mm |
| **PVB MEMBRANE THICKNESS** | 2-19 mm |
| **COMPLIANCE CODE** | ASTM C1048<br>AS/NZS 2208<br>BS EN 12150 |

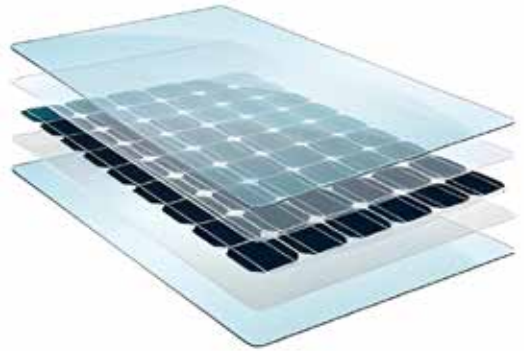
# TYPES OF POLISHED GLASS EDGES

Our glass fabrication capabilities include both High-Speed Regular Polishing and Precision CNC Polishing to meet diverse project requirements.
Regular polishing is our efficient solution for achieving flawless, brilliant edges on standard linear glass and mirrors, ideal for high-volume architectural glass.
For more complex designs, our CNC polishing technology allows for extreme geometric precision, seamlessly finishing intricate curves, internal cutouts, and specialized notches with a surface accuracy of +/-0.1 mm.

This dual approach ensures we provide both cost-effective scalability and the technical sophistication required for custom, high-end glass manufacturing.

Polished edges enhance both the aesthetics and safety of glass panels by smoothing and refining the raw cut edges.

# BUILDING-INTEGRATED PHOTOVOLTAIC SYSTEM



Our Building-Integrated Photovoltaic (BIPV) systems seamlessly combine renewable energy generation with architectural design. By integrating photovoltaic technology directly into façades, roofs, or glass surfaces, BIPV not only produces clean energy but also enhances the building's aesthetics and functionality. This solution transforms structures into energy-efficient, sustainable, and visually striking environments.

# SMART GLASS

Smart Glass, also know as switchable glass or privacy glass, is an advanced glazing solution that can change its light transmission properties in response to an electrical current.
In its most common form, switchable glass incorporates a polymer-dispersed liquid crystal (PDLC) interlayer laminated between glass panes. This technology enhances flexibility in interior design, allowing spaces to adapt dynamically for privacy, light control, or projection needs, while maintaining a sleek, modern aesthetic. Its integration into architectural glazing provides both functional versatility and contemporary appeal.


## SWITCHABLE GLASS KEY CHARACTERISTICS:

- **Instant transition between transparent and opaque states**
- **Enhanced privacy without the need for blinds or curtains**
- **Improved space flexibility in commercial and residential environments**
- **UV protection and glare control**
- **Integration with smart building systems**

Switchable glass is widely used in offices, healthcare facilities, hospitality environments, residential interiors, and high-end architectural applications where privacy, aesthetics, and modern functionality are required.

# SUSTAINABILITY & CERTIFIED EXCELLENCE

We integrate responsible manufacturing practices to ensure our products support long-term sustainability and green building certifications.

## ENVIRONMENTAL MANAGEMENT & ISO 14001

Our commitment is a certified practice, not just a policy.
• Certified Excellence: Facilities operate under an ISO 14001 certified management system.
• Operational Integrity: Processes are monitored for resource efficiency, waste reduction, and minimal environmental impact.
• Life-cycle Focus: We maintain a rigorous framework to manage the ecological footprint from raw materials to final delivery.

## RECYCLED CONTENT & CIRCULAR ECONOMY

We prioritize a circular manufacturing process to minimize waste and resource consumption.

• 30% Total Recycled Content: Approximately 30% of our glass weight is derived from recycled material.
• Material Sourcing: Includes ~28% pre-consumer (post-industrial) and ~2% post-consumer content.
• Resource Efficiency: We reintroduce clean cullet (off-cuts and rejected pieces) during float glass production.

## CHEMICAL SAFETY & TRANSPARENCY

We ensure material safety through strict management and clean energy.
• Restricted Substances: We declare that no Asbestos or Chromated Copper Arsenate is used in our glass manufacturing.
• Global Compliance: All glass is produced according to international environmental and safety standards.
ASTM C1172, EN 12543, EN 12150

# ALUMINUM

# OVERVIEW

Lightweight yet remarkably strong, versatile yet visually striking—aluminum is the material of choice for modern architecture and industrial design. From sleek façades and structural framing to bespoke extrusions, our aluminum solutions combine durability, performance, and style, turning every project into a statement of innovation and sophistication.

Aluminum is the most abundant metal in the Earth's crust and the third most plentiful element overall, after oxygen and silicon. It is also the second most widely used metal for manufacturing, following iron and steel. Aluminum is all around us in daily life—often unnoticed—but its unique properties make it indispensable in modern construction.

First utilized in buildings during the construction of the Empire State Building (1930–1932), Aluminum continues to offer unmatched benefits:

## SPEED & DURABILITY

Corrosion-resistant aluminum requires minimal maintenance, no painting, and —unlike concrete— no extended curing or structural support frameworks, allowing faster, more efficient construction.

## ERGONOMICS & PERFORMANCE

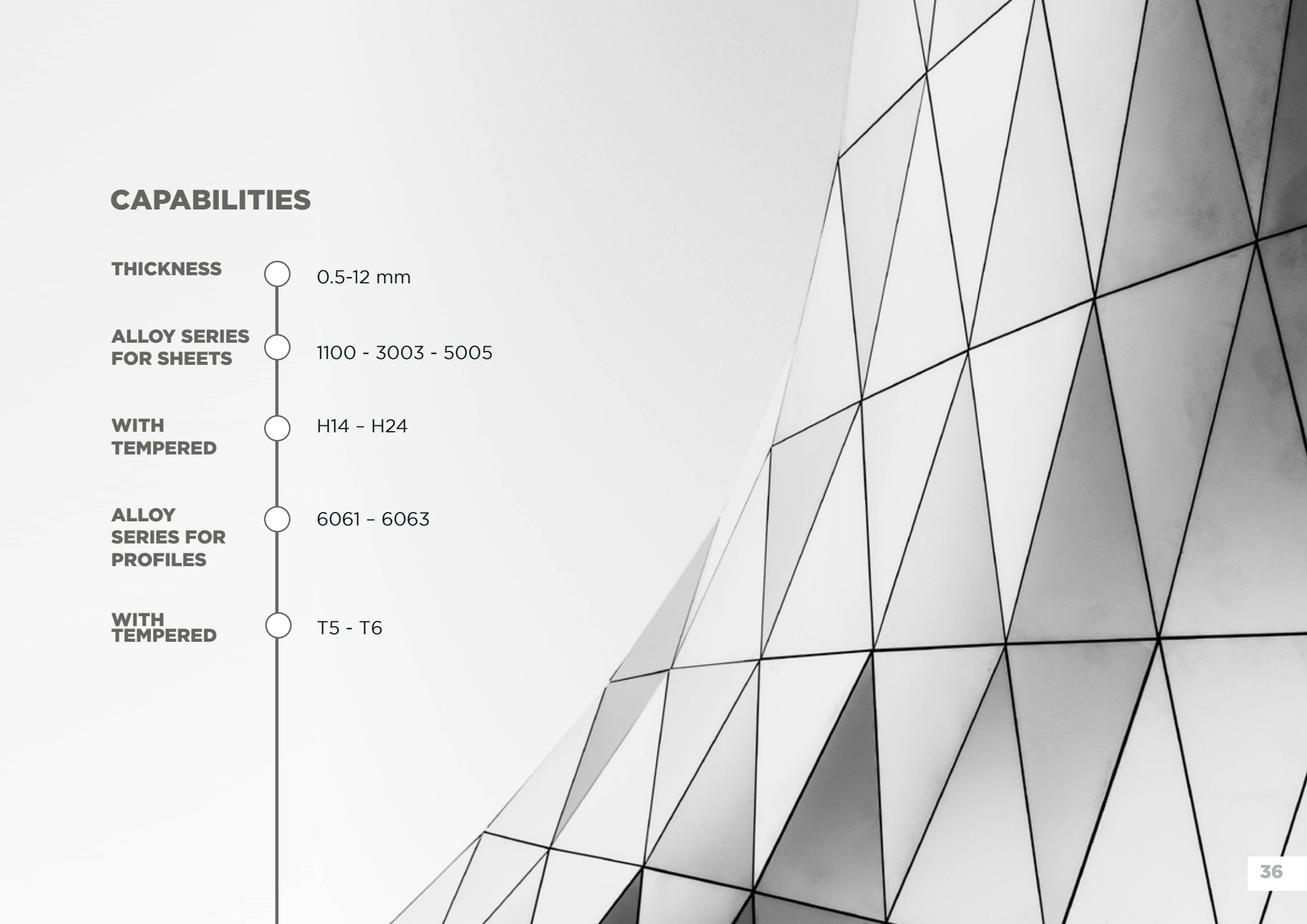
Aluminum facilitates daylighting and natural ventilation, provides insulation, and, when strengthened, can support large glass façades, solar panels, and other heavy architectural elements.

## ENVIRONMENTAL ADVANTAGE

Sustainable and recyclable, aluminum helps projects achieve green building certifications, including Leadership in Energy and Environmental Design (LEED) standards.

# CAPABILITIES

| | |
|---|---|
| **THICKNESS** | 0.5-12 mm |
| **ALLOY SERIES FOR SHEETS** | 1100 - 3003 - 5005 |
| **WITH TEMPERED** | H14 – H24 |
| **ALLOY SERIES FOR PROFILES** | 6061 – 6063 |
| **WITH TEMPERED** | T5 - T6 |



# PERFORATED ALUMINIUM PANELS

Elevating spaces with refined detail and architectural distinction, aluminum perforated panels seamlessly transform functional elements into expressions of architectural elegance. Featuring precision-engineered perforation patterns and flawless finishes, these panels deliver effective ventilation, light diffusion, and sun control while shaping dynamic façades and sophisticated interior environments.

Our perforated panels are available in three distinctive finish options to suit diverse design and performance requirements:

- Natural Finishes – Including polished, shiny, or matte surfaces that highlight the authentic beauty of aluminum.
- Powder Coating – Offering a wide spectrum of colors with durable, uniform coverage and enhanced surface protection.
- PVDF Coating – A premium architectural finish providing exceptional weather resistance, color retention, and long-term durability for demanding exterior applications.

Ideal for façades, interior partitions, ceilings, sunscreens, and decorative elements, Aluminum perforated panels combine structural reliability with aesthetic versatility, providing light control, airflow, and a modern, contemporary look.

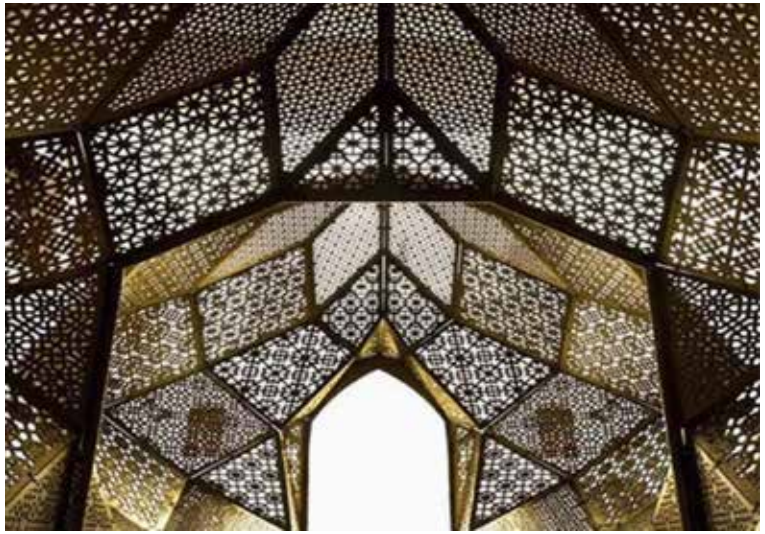
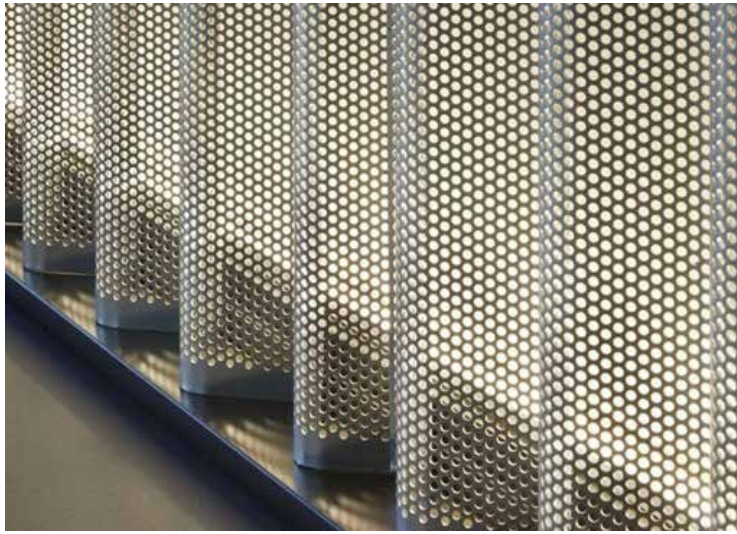
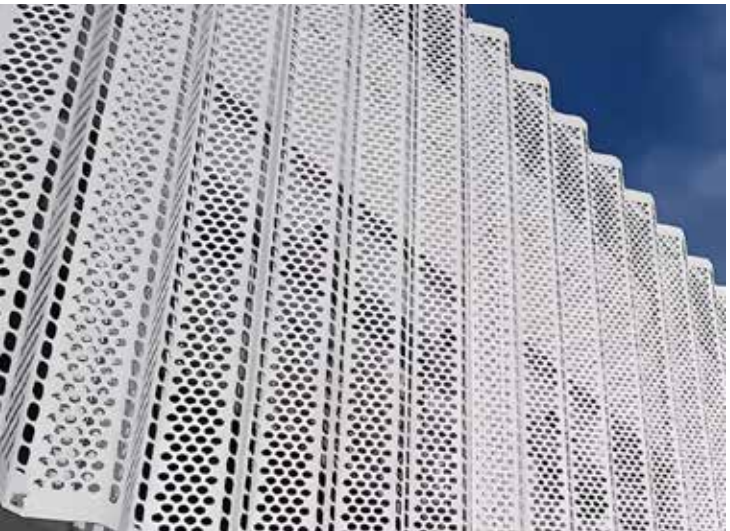
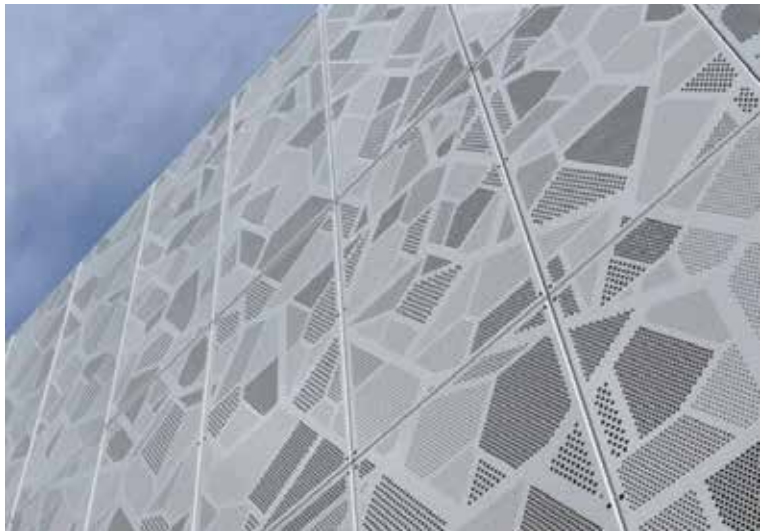
# LASER-CNC ALUMINIUM PANELS

Precision meets creativity with CNC perforated panels—where advanced cutting technology transforms aluminum into architectural art. Utilizing computer controlled machining, each panel is crafted with exceptional accuracy, enabling intricate patterns, customized geometries, and seamless repeatability across projects of any scale.

The thickness of our CNC laser-carved aluminum panels typically ranges from 1 mm to 10 mm, depending on panel dimensions and building height requirements. This flexibility ensures optimal structural performance, stability, and durability across a wide range of architectural applications.
















# ALUMINUM SOLID PANELS

Aluminum solid panels are non-perforated, flat sheets engineered primarily for structural and protective applications rather than decorative use. They provide exceptional strength, rigidity, and resistance to corrosion and harsh weather conditions, making them ideal for facades, cladding systems, partitions, and various industrial applications.

These panels deliver a clean, uniform appearance combined with long-term performance. Their surfaces can be enhanced with premium coatings such as PVDF (AkzoNobel), powder coating, or other specialized finishes, ensuring superior durability, color retention, and aesthetic quality.
Additionally, aluminum solid panels can be fully customized in terms of thickness, dimensions, color, and form. Panels can be fabricated as straight, shaped, curved, or double-curved elements to meet complex architectural and design requirements.

# ALUMINIUM SANDWICH PANELS (ASP)

Aluminium Sandwich Panels (ASP) are high-performance structural systems engineered to deliver exceptional rigidity, durability, and thermal efficiency. Often referred to as Honeycomb Panels or Insulated Sandwich Panels, these systems are specifically designed for superior load-bearing performance while maintaining lightweight characteristics.

By combining advanced core materials with precision-bonded aluminium skins, ASP panels offer a robust solution for modern architectural façades, soffits, partitions, and high-performance cladding applications.

## ADVANCED STRUCTURAL ENGINEERING

Our Sandwich Panels are engineered to withstand demanding architectural environments through the use of a thicker, specialized internal core structure. This reinforced design enhances panel strength, impact resistance, and long-term dimensional stability.

The sandwich construction principle distributes loads evenly across the panel surface—delivering exceptional flatness, reduced deflection, and reliable performance even in large-format installations.

## CORE SYSTEM

Unlike traditional solid-core ACP panels, these advanced panels incorporate a three-dimensional core structure—typically Aluminium Honeycomb, high-density insulating foam, or Rockwool (Mineral Wool). This engineered core significantly enhances structural performance while reducing overall weight.

## ROCKWOOL INTEGRATION

For projects demanding the highest fire safety standards, we utilize a Rockwool core manufactured from natural volcanic rock spun into high-density fibers. This noncombustible material can withstand extremely high temperatures, making it ideal for fire-rated façade and cladding applications.

## SUPERIOR RIGIDITY

Built on the structural principle of an “I-beam,” the sandwich panel design delivers exceptional rigidity. This allows for larger panel formats that remain perfectly flat, eliminating risks of bowing, warping, or oil-canning even under demanding environmental conditions.

## THERMAL & ACOUSTIC PERFORMANCE

The hollow (honeycomb) or fibrous (Rockwool) core structure acts as a natural insulation barrier. It significantly reduces heat transfer, improves energy efficiency, and dampens external noise—enhancing overall indoor comfort.

## SURFACE TECHNOLOGY & CUSTOMIZATION

As these panels are frequently specified for high-visibility architectural applications, we apply the same premium finishing standards used across our architectural glass and façade panel systems.

## PREMIUM FINISHES

Panels are available in high-durability PVDF spray coatings for superior resistance to UV exposure, corrosion, and extreme weather conditions—ideal for demanding exterior environments. For interior applications, Polyester (PE) coatings offer vibrant color consistency with excellent scratch resistance and surface durability.

## ANODIZED OPTIONS

For projects seeking a refined metallic aesthetic, panels can be anodized to create a dense, protective oxide layer. This process enhances corrosion resistance while preserving and enriching the natural appearance of the aluminium surface.

## WOOD-LOOK INTEGRATION

Using advanced PVDF-based sublimation technology, panels can replicate the warmth and texture of natural timber with remarkable realism. This makes them ideal for large-scale soffits, feature walls, façade accents, and premium door applications—combining the visual appeal of wood with the durability of engineered aluminium systems.

## IDEAL APPLICATIONS

• Large-Scale Facades: Perfect for high-rise building envelopes where wind-load resistance and fire safety are critical.
• Cleanrooms & Laboratories: The smooth, non-porous surface combined with moisture-resistant properties is ideal for strict hygiene environments.
• Fire-Rated Enclosures: Rockwool-core panels are the industry standard for industrial warehouses, data centers, and mechanical rooms requiring fire containment.
• Premium Entrance Doors: The structural thickness of a sandwich panel makes it an excellent choice for creating «Grand Entrance» doors that are lightweight yet feel incredibly solid and secure.
• Acoustic Ceilings: High-performance overhead systems that manage sound reflection in large public spaces like airports or malls.

# ALUMINIUM CEILING SYSTEMS

High-quality Aluminium ceiling solutions designed to meet modern architectural and functional requirements. These systems combine durability, lightweight performance, and design flexibility, making them suitable for a wide range of commercial and residential applications.

A variety of Aluminium ceiling options are available,
including:

- Solid / Perforated Aluminium panels with acoustic backing for sound control, supplied with complete accessory systems.
- Fully integrated Aluminium ceiling systems utilizing sandwich panels, including custom and non-standard configurations for large-scale and multi-building projects
- Custom finishes and color options, including powder-coated and anodized surfaces.

Aluminium ceiling products are manufactured using premium-grade materials, ensuring:

- Excellent corrosion resistance and long-term durability
- Compliance with fire safety standards
- Ease of installation and low maintenance requirements

These systems are suitable for a wide range of environments, such as:

- Offices and commercial buildings
- Shopping malls and retail spaces
- Airports, hospitals, and public areas
- Residential and decorative interiors

Consistent quality and design flexibility are at the core of these solutions, with tailored Aluminium ceiling systems developed to meet the specific requirements of each project.

# SUPPLY PARTNERS












# OUR PROJECTS

# AL ASSIMA
# KUWAIT

- **GLASSLINE**
- **GLASS**

# LEBANESE UNIVERSITY
# LEBANON

- **ALEXCO**
- **GLASS**

# AYA BUILDING
# LEBANON

- **ALUSTEEL**
- **GLASS**

# RIVER AND SEA AZUR
# LEBANON

- IDEAL
- GLASS

# CIELO TOWER
# LEBANON

- **WAZZAN**
- **GLASS**


# DALFA MALL
# LEBANON

- **BIFEM PARALU**
- **GLASS**

# CITY GATE
# LEBANON

- **ALEXCO**
- **GLASS**

# MARINA TOWER AFRICA

- **FRAMEDIA**
- **GLASS**

# CTC ABUJA
# AFRICA

- **GLASSLINE**
- **ALUMINUM**

# VENDOME MALL
# QATAR

- ART GLASS
- GLASS

# AL KHARAYEJ TOWER
# QATAR

- ART GLASS
- GLASS

# DREAM HOTEL
# QATAR

- **RADIUS INT'L**
- **ALUMINUM**


# HAMAD HOSPITAL QATAR

- **RADIUS INT'L**
- **ALUMINUM**

# LUSAIL COMMERCIAL BOULEVARD QATAR

- ART GLASS
- GLASS

# SKALA TOWER & WAAB TOWER QATAR

- **ALUMINUM GULF RAY**
- **GLASS**

# AL WIFAQ TOWER QATAR

- **ALUMINUM GULF RAY**
- **GLASS**

# MERQAB HOTEL & RESIDENCE QATAR

- **ALUMINIUM GULF RAY**
- **ALUMINUM**

# YASMEEN CITY
# QATAR

- ALUMINIUM GULF RAY
- GLASS AND ALUMINUM

# BASSEM KARBALAIE HOTEL IRAQ

- **TIBA LONDON**
- **GLASS**


# OMAN MALL
# OMAN

**AL MAAMARI**

**GLASS**

# ST REGIS HOTEL
# OMAN

- ART GLASS/ TECHNICAL
- GLASS AND ALUMINIUM

# VIDA HOTEL – EMIRATES HILLS UAE

- **SAYEL INTERNATIONAL**
- **GLASS**

# C18 RESIDENCE UAE

- ALUMENA
- GLASS


# C10 RESIDENCE UAE

- **ALUMENA**
- **GLASS**

# NAJMAT TOWER UAE

- FORM WELL
- GLASS

# IXORIA VILLAS
# UAE

- **ALUMETAL LLC COMPANY**
- **GLASS**

# ZOHA ISLAND
# UAE

- **ALUMETAL LLC COMPANY**
- **GLASS**

# CANAL DUBAI
# UAE

- **AL FAYHA ALUMINUM FACTORY**
- **GLASS**


# PIER 8
# UAE

- **SEEMA ALUMINIUM WORKS**
- **GLASS**

# THE PENINSULA @ BUSINESS BAY UAE

- **AL FAYHA ALUMINUM FACTORY**
- **GLASS**

# KHORFAKAN RESIDENCE
# UAE

- **AL FAYHA ALUMINUM FACTORY**
- **GLASS**

# ADDRESS THE BAY UAE

- **AL FAYHA ALUMINUM FACTORY**
- **GLASS**

# WATHBA TOWER
# UAE

- SEEMA ALUMINIUM WORKS
- GLASS

# LUXOR TOWER
# UAE

- **SEEMA ALUMINIUM WORKS**
- **GLASS**

# BAY VIEW
# UAE

- **SEEMA ALUMINIUM WORKS**
- **GLASS**

# OPAL GARDENS
# UAE

- **PARKWAY INT'L**
- **GLASS**

# VENERA & VELORA
# UAE

- **PARKWAY INT'L**
- **GLASS**

# THE VALLEY LILLIA & ELORA
## UAE

- **PARKWAY INT'L**
- **GLASS**


# TRIA RESIDENCE UAE

- **AL FAYHA ALUMINUM FACTORY**
- **GLASS**

# SAADIYAT LAGOONS VILLAS
# UAE

- **AL FAYHA ALUMINUM FACTORY**
- **GLASS**

# RAMHAN VILLAS
# UAE

**AL REMAL ALUMINUM & GLASS INDUSTRY**

**GLASS**

# THE VALLEY - RIVANA
# UAE

- **AL REMAL ALUMINUM & GLASS INDUSTRY**
- **GLASS**

# THE GROVE, SAADIYAT ISLAND
# UAE

- **ALUGLEX**
- **GLASS**

# DISTRICT ONE WEST
# UAE

- **ALUGLEX**
- **GLASS**

# THE OASIS PALMIERA
# UAE

**ALUGLEX | AL REMAL ALUMINUM & GLASS INDUSTRY | EASTERN INT'L METALLIC IND.**

**GLASS**

# AL NASEEM
# UAE

- ALUGLEX
- GLASS

# DUBAI ISLAND B - BAY VILLA
# UAE

- ALUGLEX
- GLASS

# DIFC CP-02
# UAE

- **TECHNICAL GLASS & ALUMINUM**
- **GLASS**

# EDEN HOUSE THE PARK
# UAE

- **TECHNICAL GLASS & ALUMINUM**
- **GLASS**


# MAJAN P1505
# UAE

- **MERAKI GROUP**
- **GLASS**

# BURJ KHALIFA EXTENSION UAE

- SPECIALISTS FOR BLDG AND METAL
- GLASS

# HILTON FAMILY HOTEL
## UAE

- **ALUMENA**
- **ALUMINIUM**

# ALNOOR TOWER UAE

- **OEA ALUMINIUM**
- **ALUMINIUM**

# OCEAN HOUSE
# UAE

- ALUTAL FOR GLASS & ALUMINUM
- GLASS & ALUMINUM RAILING

# MOHAMMED BIN RASHID RESIDENCE CITY UAE

**SEEMA ALUMINIUM WORKS**

**ALUMINIUM**

# VICTORIA LANE
# NEW ZEALAND

- **SYMONITE PANELS LIMITED**
- **GLASS**

# KEC MALL
# KSA

- **ALUMCO INT'L**
- **ALUMINIUM SANDWICH PANELS**

# YASRIF HOUSING
# KSA

- **CUBE METAL INDUSTRIES**
- **ALUMINIUM**


# STC HEAD QUARTERS
## KSA

- **CUBE METAL INDUSTRIES**
- **ALUMINIUM**

# SHERATON TAIBA HOTEL
# KSA

- **CUBE METAL INDUSTRIES**
- **ALUMINIUM**

# FULTON TOWER USA

- **ZEBIAN ALUMINUM**
- **ALUMINIUM**


# SIRTE & SABHA AIRPORT
# LYBIA

**GUTMANN**

**GLASS AND ALUMINIUM**


# BENINA AIRPORT
# LYBIA

- **GUTMANN**
- **GLASS AND ALUMINIUM**

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