

# HunterDouglas

WINDOW COVERINGS

CEILING

SUN CONTROL

FAÇADES



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[www.hunterdouglas.asia](http://www.hunterdouglas.asia)

QuadroClad™

HunterDouglas

FAÇADES



# HunterDouglas QuadroClad™ Systems

Smart Design  
Superior Performance

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Hunter Douglas QuadroClad™ systems are specifically engineered to enable you to create a unique design, whilst withstanding severe environmental conditions. Achieved by using technology originally developed for the aircraft industry, our QuadroClad™ systems provide the perfect combination of smooth, flat and stylish looks with superior performance.

All our QuadroClad™ systems provide the flexibility of a limitless variety of design options and finishes that fit both exterior and interior applications.

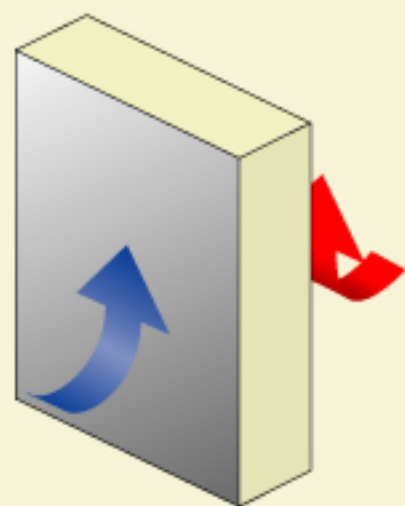
Hunter Douglas QuadroClad™ systems give the designers the opportunity to create signature buildings.



# Design, Functionality and Comfort

Choosing the right facade / ceiling system can be challenging. With Hunter Douglas QuadroClad™ you will find a system that effortlessly blends form and function, whilst enhancing the building's comfort and performance levels.

QuadroClad™ panels have coil-coated aluminium skins that can be applied in straight, curved or cranked forms. Materials and finishes such as stainless steel, anodized aluminium, zinc and copper create endless design combinations and bring a whole new dimension to buildings.



Our 'total' Facade system includes integrated windows, doors and sun control, ensuring you achieve a unique aesthetic with optimal performance.

## DESIGN: CREATIVE FREEDOM

Custom shapes, curved and tapered panels, a variety of joint options and an extensive range of colours and materials give you unparalleled creative freedom.

## FUNCTIONALITY: SYSTEMS THAT LAST

Our QuadroClad™ systems have been tested for over 15 years and are built to last. We allow you to evaluate all aspects of the building from visible surfaces to construction, enabling you to create the QuadroClad™ system that meets the individual building specification without costly adaptations.

No surprises; you will know in advance exactly what you will get.

## COMFORT: THE PERFECT PROTECTION

QuadroClad™ systems significantly improve the performance and comfort level for the building and its occupants. They protect buildings against heat, noise and shield from rain, wind and snow whilst providing consistent interior temperatures and humidity levels.

## BUILT TO LAST

The aluminium QuadroClad™ systems are based on composite technologies that originate from the aircraft industry. Produced from pre-coated aluminium, it is formed and combined with aluminium honeycomb reinforcement. The result is a strong, flat, lightweight, made-to-measure product made to withstand the most severe environmental conditions.

## 100% RECYCLABLE

All components of QuadroClad™ are made from aluminium. Aluminium alloy is fully recyclable at the end of the facade / ceiling lifecycle.

## COMMITTED TO QUALITY

A relentless commitment to quality, as well as more than 40 years of worldwide experience in the development and manufacturing of aluminium facades / ceilings, create the foundation for all Hunter Douglas QuadroClad™ systems. All of our products have been extensively tested for corrosion resistance, insulation, ventilation, fire resistance and wind-load performance. Be assured, our QuadroClad™ look great, consistently perform and are built to last.

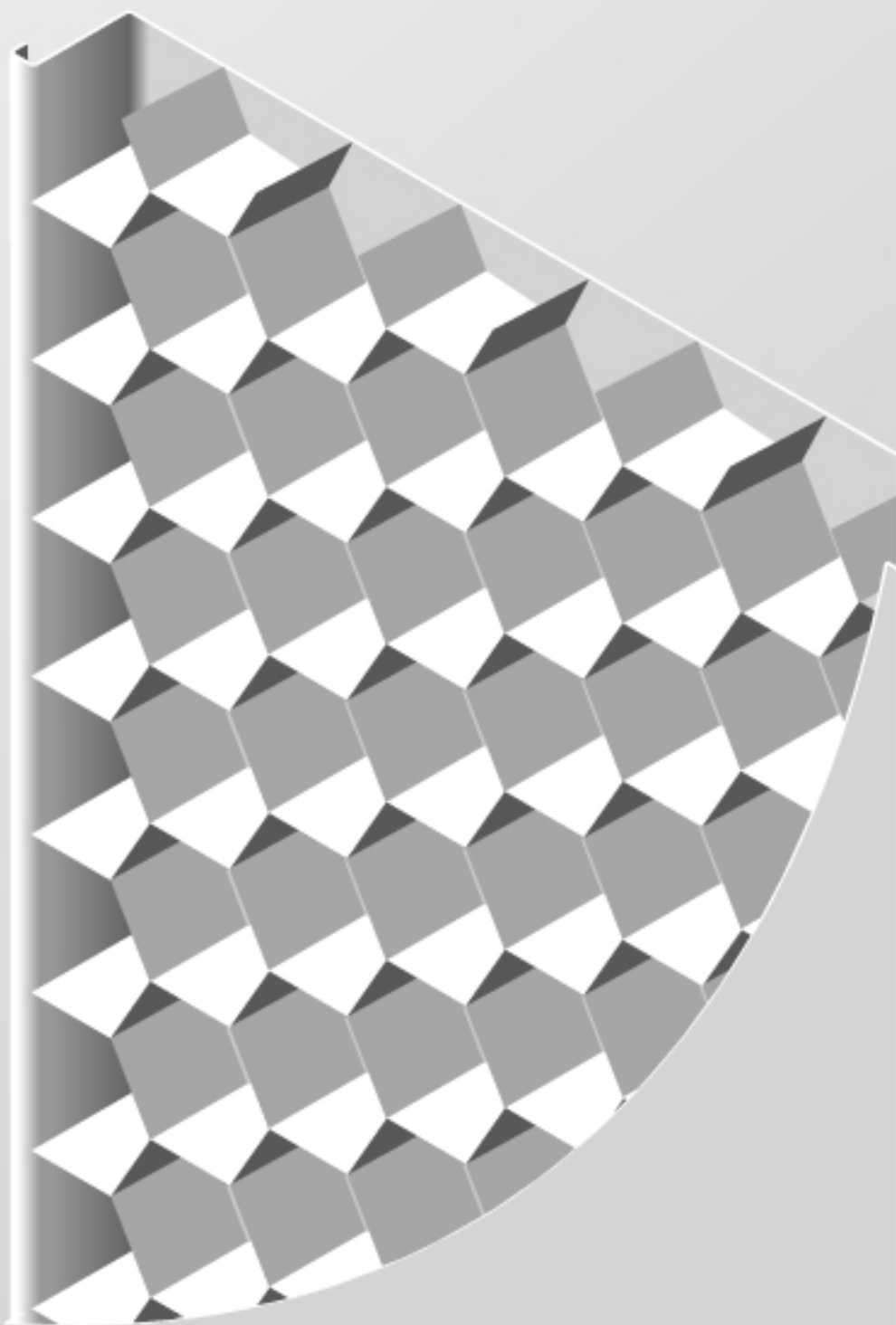
## OPTIONS FOR EVERY APPLICATION

The flexibility in panel size and shape, as well as the option of curving and cranking, allows QuadroClad™ to be applied to almost any new or existing superstructure with simple and adjustable fixings.

## COVERAGE AT ANY HEIGHT

The QuadroClad™ system, which includes windows, doors and louvers, is ideally suited to any building no matter what size - from low to high rise - and can be applied to any location within the building. Where large panels are vital to the design concept, QuadroClad™ panels offer a flexible solution in sizes up to 1,500mm x 6,000mm.

Our Luxacote® finish is specifically designed to withstand the severe external conditions. The topcoat contains a solid UV filter, which guarantees perfect colour and gloss stability. This topcoat provides resistance against scratches and abrasion while the alloy and pre-treatment ensure corrosion resistance. Luxalon® products have been subjected to extensive laboratory and real-world testing to ensure the highest quality.







# Quadroclad™ Asia Systems

## BUILT TO LAST

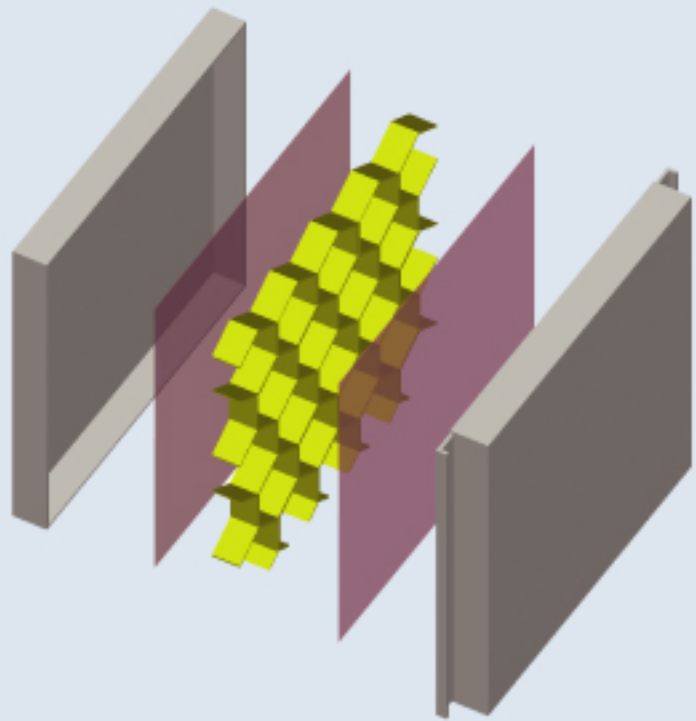
Hunter Douglas QuadroClad™ Asia systems are combination of light weight components working together to provide extreme strength and flatness. Skin and honeycomb are connected with high quality adhesives in order to form a monolithic mechanical construction. The end result is that our systems perfectly blend smooth, flat and stylish aesthetics, with superior performance.

Right : Inspection & Quarantine Bldg., Guangzhou Baiyun Int'l Airport, China  
Architects: Guangzhou Urban Planning Design & Survey Research Institute  
Product : QuadroClad™ 25 Asia System



### QuadroClad™ Asia Systems

- Dimensions up to 1500mm x 4500mm
- Extremely flat panel surface
- Aluminium honeycomb composite technology
- Coil coated finishes (anodized, copper, zinc and stainless steel optional)
- Individual panel installation
- Simple detailing
- Design freedom in panel shape and joints
- Sealed joint, metal cover joint or recessed joint
- Can be used as exterior ceiling / soffit
- 'Total' facade system including windows, doors and louvers - for both flush and recessed facade designs
- Superior quality and durability
- Virtually maintenance free
- Made to measure product
- Almost any panel shape possible: trapezoidal, curved, cranked etc.
- Certified fire and wind load performance
- Most specs can be fabricated with QuadroClad™ 'HIT' properties



Below : Daping Petrol Research Institute  
Product: QuadroClad™ 25 Asia System





Below : Chengdu Jinmao Tower, China  
 Architect: Chengdu Institute of Architectural Design & Research  
 Product : QuadroClad™ 25 Asia System



#### QuadroClad™ 12 Asia (QC 12A)

- 12mm thick aluminium panel system
- Low weight per m<sup>2</sup>
- Optimized for medium wind loads
- Sealed joint
- Optimal for low building, exterior ceiling and internal cladding

#### QuadroClad™ 25 Asia (QC 25A)

- 25mm thick aluminium panel system
- Capability to withstand very high wind loads
- Optimal for high-rise buildings
- Sealed joint, metal cover joint or recessed joint
- Excellent properties for exterior use

#### QuadroClad™ Higher Impact Technology (HIT)

- Higher Impact Technology used to withstand much higher indent and impact onto the panel surface
- Ideal cladding for the vulnerable part at the ground level of a building
- Interior and exterior application
- Most specs of QuadroClad™ can be fabricated with QC 'HIT' properties
- No visual difference from common panel in appearance

Below : Capital Museum, China  
 Architect: China Architecture Design & Research Institute  
 Product : QuadroClad™ 25 Asia System

#### QuadroClad Asia



Above : Beijing Hospital, China  
 Product: QuadroClad™ 25 Asia System

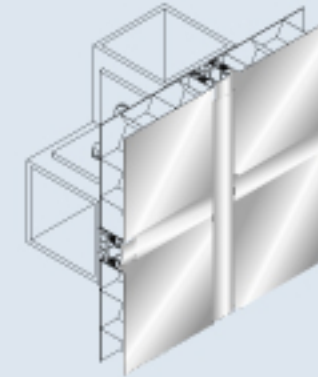


Right : Beijing Coin Factory, China  
Architects: Beijing Electric Power Design Institute  
Product : QuadroClad™ 25 Asia System



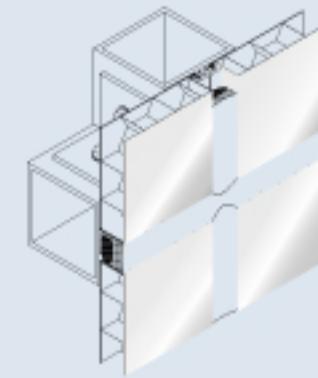
### QuadroClad™ Metal Cover Joint

- Tightly controlled joint widths
- 15mm and 25mm joint recommended, other width available on request
- Fixing clamp allows for thermal movement of panels
- Joint hardly seen leading to extremely large flat surface



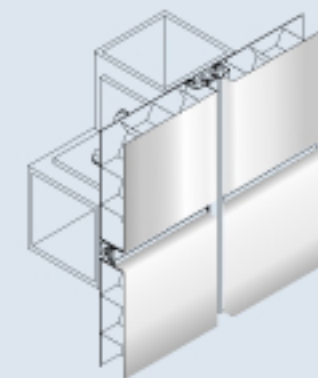
### QuadroClad™ Sealed Joint

- Sealant provide water-and-air resistant protection for joints
- 15mm and 20mm joint recommended, other width available on request
- Fixing clamp allows for thermal movement of panels



### QuadroClad™ 25 Recessed Joint

- 25mm thick aluminium panel system
- Recessed joint depth 11mm, width 15mm
- Fixing clamp allows for thermal movement of panels
- Bringing more dimensional aesthetics to building



Below : Capital Int'l Airport Terminal 3, Beijing, China  
Architect: Beijing Institute of Architectural Design  
& Norman Foster  
Product : QuadroClad™ 25 Asia System



Below : Yantai Power Building, China  
Architects: China Architectural Design & Research Institute  
Product : QuadroClad™ 25 Asia System



QuadroClad™ panels are available in modules from 600mm to 4500mm in length x 200mm to 1500mm in width. Various skin shapes and joint configurations as well as a variety of colours, finishes provide unparalleled design possibilities.





Above : Apcon Office Building, Poland  
Architect: Studio ADS  
Product : QuadroClad™ 25 Asia System



Above : Nanjing Lukou Int'l Airport, China  
Product: QuadroClad™ 25 Asia System

Below : PLA Bldg., Macau, China  
Architect: Guangzhou Military Architectural Design Institute  
Product : QuadroClad™ 25 Asia System





# QuadroClad™ Internal Cladding Systems

## INDOOR COMFORT



Hunter Douglas provides extensive internal cladding solutions. Our QuadroClad™ Internal Ceiling (QC-IC) and QuadroClad™ Internal Wall (QC-IW) share the same panel configuration and specification, which brings maximum convenience and value to our customers. Pre-coated aluminium skins are roll-formed and integrated with honeycomb reinforcement and aluminium fixing extrusions, in order to produce large, flat panels with thin butt joints that are easy to fix as internal ceiling and wall elements. Acoustic, linear, tile and special panels allows architects and designers the freedom and flexibility to create what they love.

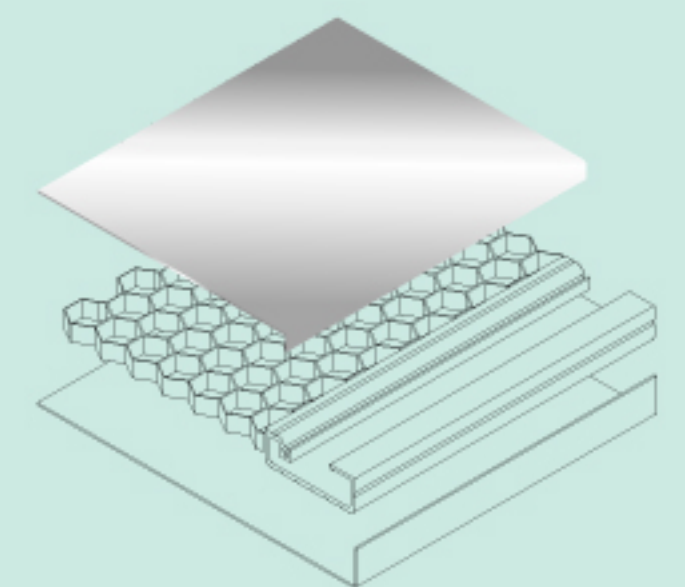
Above : Changi Airport Terminal 3, Singapore  
Architect: CPG Consultants  
Product : QuadroClad™ Internal Ceiling

Right : Beijing Haidian Hospital, China  
Product: QuadroClad™ Internal Ceiling



### QuadroClad™ Internal Cladding Systems

- Large panel sizes possible; width 1500mm x length 6000mm
- Superior panel flatness
- Aluminium honeycomb composite technology
- Open joint or butt joint optional
- Thin butt joint 3mm, width and panel flatness give the total area an excellent plain and flush appearance
- Open joint of any width suitable for special design
- Quick and easy installation
- Panels can be dismantled individually, which makes the ceiling plenum accessible for maintenance, and repair work, whenever required
- Connect to standard supporting profile commonly used in standard market
- Superior quality and durability
- Certified fire and acoustic performance
- Acoustic, linear, tile and special panels are available for various applications
- Most specs can be fabricated with QuadroClad™ 'HIT' properties as well
- Wall panels can be delivered in same configurations as ceiling panel in shape and colour
- Panels can be cranked, curved or special shapes available on request.



Below : Beijing Huaxia Bank, China  
Product: QuadroClad™ Internal Ceiling







Right : Beijing Huaxia Bank, China  
Product: QuadroClad™ Internal Ceiling



#### QuadroClad™ Internal Ceiling (QC-IC)

- Front skin 0.7mm, back skin 0.5mm, panel thickness 12mm
- Corrosion resistant aluminium honeycomb core or paper honeycomb core
- Integrated fixing extrusions on both fixing sides to ensure the strength and installation accuracy of panel
- Panel can be secured to support system by means of Hunter Douglas patented hook on or clip in system

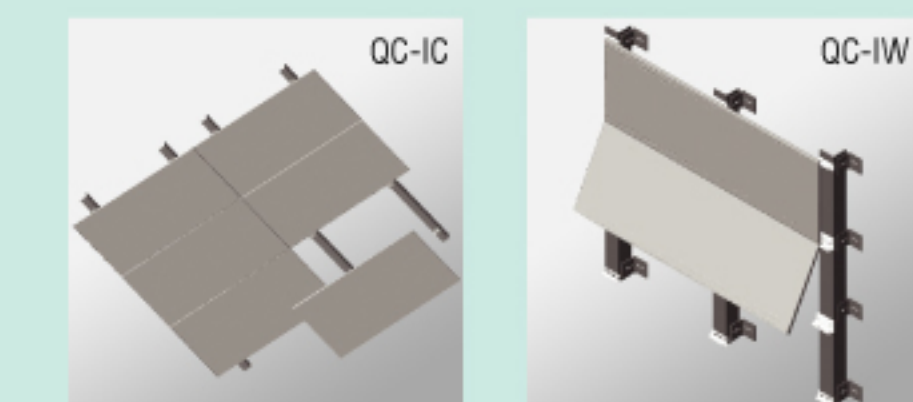
#### QuadroClad™ Internal Wall (QC-IW)

- Front skin 0.7mm, back skin 0.5mm, panel thickness 12mm
- QC-IC and QC-IW share same panel configurations
- Panel can be secured to support system by means of Hunter Douglas patented hook on system



100% recyclable

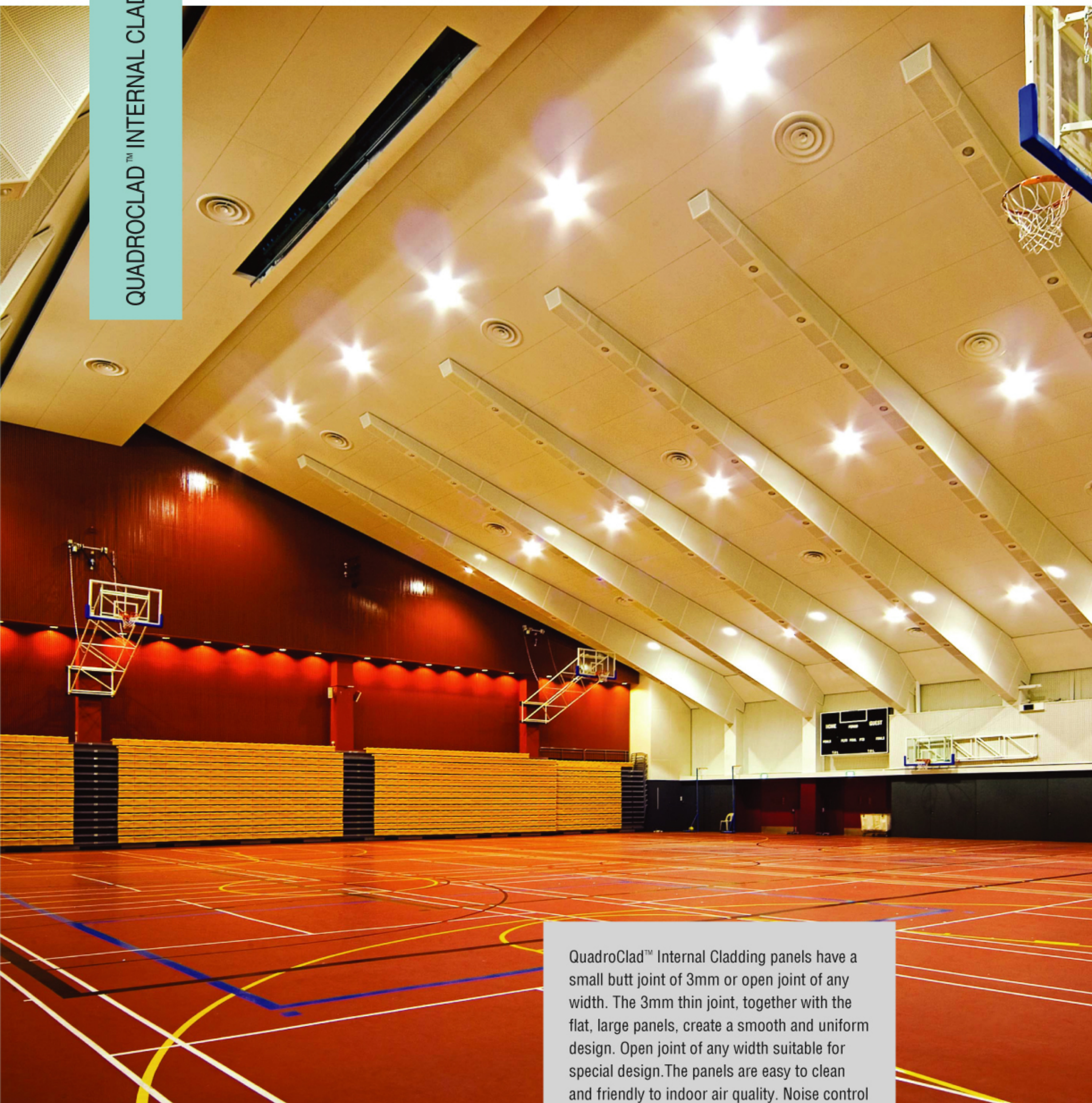
#### QuadroClad™ Internal Cladding



Below : Ministry of Central Organization Bldg., Beijing, China  
Architect: East China Architectural Design & Research Institute  
Product : QuadroClad™ Internal Ceiling







QuadroClad™ Internal Cladding panels have a small butt joint of 3mm or open joint of any width. The 3mm thin joint, together with the flat, large panels, create a smooth and uniform design. Open joint of any width suitable for special design. The panels are easy to clean and friendly to indoor air quality. Noise control can be realized through perforations and by using acoustical non-woven backings.

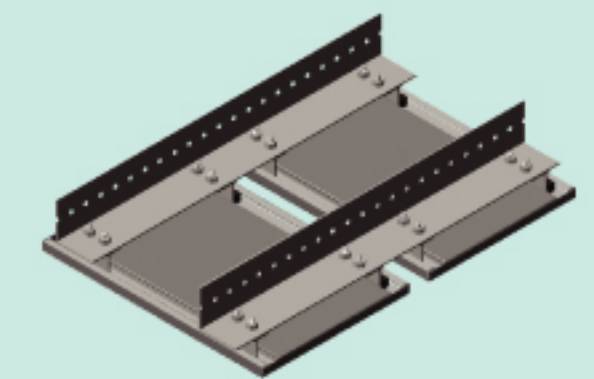
Above : The Singapore American School, Singapore  
Architect: oia Architects, Singapore  
Product : QuadroClad™ Internal Wall

Right : Guangzhou Baiyun Int'l Airport, China  
Architect: Parsons & URS Greiner  
The Architectural Design & Research Institute of Guangdong Province  
Product : QuadroClad™ Internal Ceiling



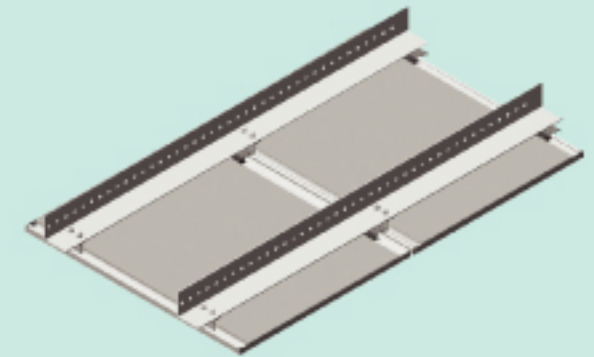
#### QuadroClad™ Internal Cladding Open Joint System

- Open joint of any width as required
- Better dimensional aesthetics
- Quick and easy installation



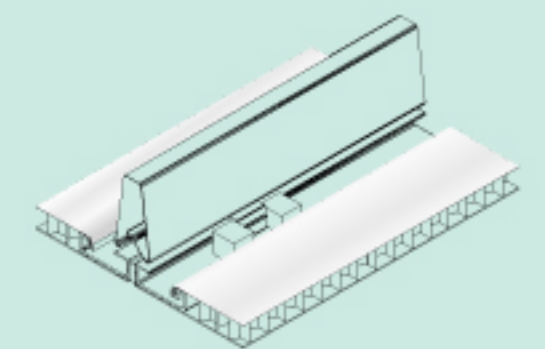
#### QuadroClad™ Internal Cladding Butt Joint System

- Thin butt joint of 3mm
- Excellent plain and flush appearance
- Quick and easy installation



#### QuadroClad™ Internal Cladding Clip-in System

- Clip-in panels
- Supplied with Hunter Douglas simple but durable supporting substructure
- Both internal and external application
- Cost effectiveness and fast installation



Below : Taishin Bank, Taiwan  
Architect: Mandartech Interiors Inc., Taiwan  
Product : QuadroClad™ Internal Wall





# QuadroClad™ – Flex

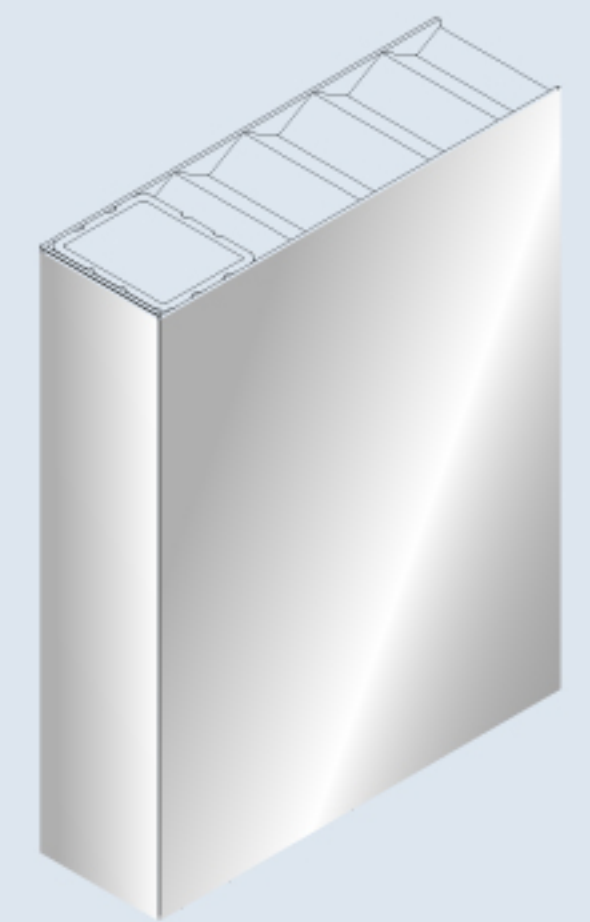
## GENERAL SYSTEM

Right : Capital Museum, China  
Architect: China Architecture Design & Research Institute  
Product : QuadroClad™ Flex 12mm



### QuadroClad™ – Flex (QC-FL)

- 4-sides-closed cassette-looking honeycomb panels
- Max. width 1500mm, length up to 12000mm possible (depending on the joint)
- Wide range of thicknesses available - 6mm / 8mm / 10mm / 12mm / 15mm / 25mm / 36mm / 50mm & others
- Extremely flat surfaces
- Coil coated finishes (anodized, copper, zinc and stainless steel optional)
- Multiple sides fixing possible
- A range of fixing methods and extrusions for maximum design flexibility
- Panels are sealed, so air & water resistant
- Lightweight, only approx. 6kg/m²
- Can be fixed to any substructure (concrete block work, brickwork, aluminum extrusion or steelwork)
- Inherent strength of honeycomb panel requires a limited number of supports
- Panels can be cranked, curved or special shapes available on request
- All panels are factory made (controlled conditions)
- Special customized panel configurations on request
- Vertical and horizontal panels can be combined
- Strength of panel makes it appropriate for high-rise buildings in high wind load areas
- Can be used as exterior louvers
- Specs can be fabricated with QuadroClad™ 'HIT' properties
- Panel erection sequence can be top-bottom, bottom-top, or any sequence to suit the building program



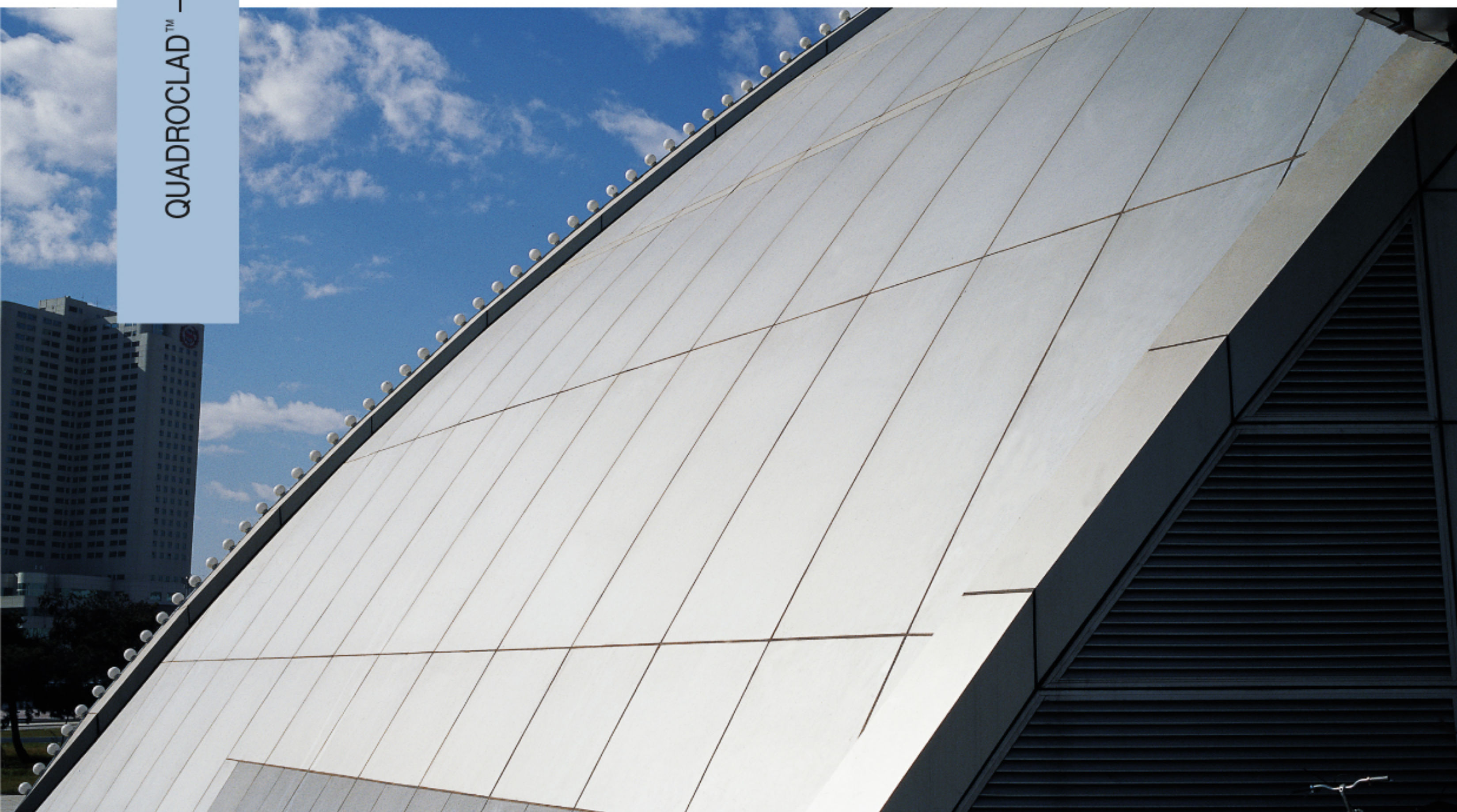
Below : MADEC Wesley Complex, Australia  
Architect: Phillips/Pilkington Architects Pty Ltd  
Product : QuadroClad™ Flex 25mm Louvres



QuadroClad™ - Flex are made-to-measure cassette-looking panels with the flexibility to be compatible with non - Hunter Douglas fixing systems. QuadroClad™ - Flex panels are available in a wide range of choices in terms of panel shape, size, thickness and colors. The highly adaptable panels can be fixed to almost any substructure and are suitable for both exterior and interior application, including sloping facades, ceiling and column casings. The versatile QuadroClad™ - Flex panels can even be used as exterior sun louvers.

Above : Shenzhen Citizen Center, China  
Architect: John M.Y.Lee / Michael Timchula Architects  
Product : QuadroClad™ Flex 36mm





Below : Beijing China Airline Bldg., China  
Product : QuadroClad™ Flex 12mm as Ceiling



Above : The Science Palace, Shenyang, China  
Architect: China Aeronautical Project & Design Institute  
Product : QuadroClad™ Flex 12mm

Right : Changchun Int'l Exhibition Center, China  
Architect: School of Architecture, Tsinghua University, China  
Product : QuadroClad™ Flex 25mm







Above : Burbank Corporate Centre, Sydney, Australia  
Architect: Lefter Simes Architects  
Product : QuadroClad™ Flex 50mm Louvres

Left : Wuchang Railway Station, China  
Architect: China Railway No.4 Survey & Design Institute  
Product : QuadroClad™ Flex 25mm





## HUNTER DOUGLAS ARCHITECTURAL PRODUCTS

For over 80 years, we've forged our name by holding ourselves to the highest standards in product construction, service and support.

We plan on continuing that trend, helping turn innovative sketches into innovative buildings for architects and designers around the globe.

With major operation centers in Europe, North America, Latin America, Asia and Australia and more than 20,000 employees, we've contributed to thousands of high-profile projects in the areas on window covering, ceilings, solar control and facades.

We keep the world's architects and designers in mind from product fabrication to project completion. If they need it, we'll do it. We provide architects and installers with technical advice, design propositions and visualizations, mounting drawings and installation training - whatever is needed to help create their vision.

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## ARCHITECTURAL SERVICES

We support our business partners with a wide range of technical consulting and support services for architects, developers, and installers. We assist architects and developers with recommendations regarding materials, shapes and dimensions, and colours and finishes. We also help creating design proposals, visualizations, and mounting drawings. Our services to installers range from providing detailed installation drawings and instructions to training installers and advising on the building site.



Hunter Douglas is the world market leader in window coverings and a major manufacturer of architectural products.

Hunter Douglas has its Head Office in Rotterdam, The Netherlands, and a Management Office in Lucerne, Switzerland.

The Group is comprised of 169 companies with 67 manufacturing and 102 assembly operations and marketing organizations in more than 100 countries. Hunter Douglas employs about 21,000 people and had sales in 2007 of USD 3.028 billion.

## Innovative Products Make Innovative Projects



*We are dedicated manufacturing a sustainable product. Our paint and aluminium melting processes are considered to be one of the industry standards in terms of clean production processes. All aluminium products are 100% recyclable at the end of their lifecycle.*

**HunterDouglas**

**LUXALON®**

**QuadroClad™**

## Learn More

- Contact Our Sales Offices
- [www.hunterdouglas.asia](http://www.hunterdouglas.asia)