

GAJCladding Systems & Products

GAJCladding Brochure 2025

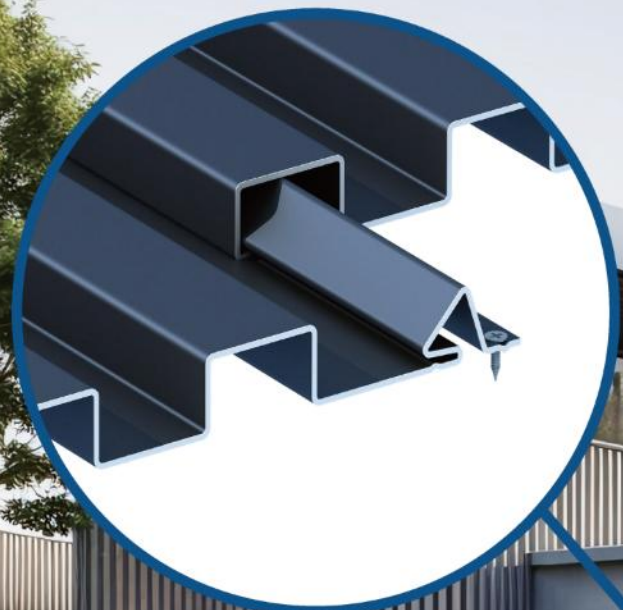


GAJ CLADDING

FOCUSED FOR OVER 20 YEARS

One Total Building Envelope System

23 Years of Industry Experience
Innovative Facade Solutions for a Sustainable Future



Fluted Decorative Panel



Cladding Support System



Insulation Material



Fiber Cement Panel





GAJCLADDING

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23
Years of Experience

20,000
Production Base(㎡)

8,000,000
Annual Production(㎡)

76
Patents

FOCUSED FOR OVER 20 YEARS

"GAJ" was established in 2002, specializing in the research, design, production, sales, and service of "energy-saving & decorative" systems for building envelopes. We focus on high-end fiber cement decorative boards, offering a range of textures and colors in our fiber cement cladding systems to provide better solutions for constructing high-performance building envelopes.

Professionalism, dedication, and sincere service are our guiding principles. We are customer-centric, addressing customer concerns and challenges by providing systematic solutions and delivering reliable, high-quality products and services.

Our goal is to become a leader in building envelope system solutions, striving for higher standards, maintaining a progressive mindset, and driving the industry's development.

ABOUT US



Development History

2002~2008

- 2002**
 - Created the first panelized exterior wall covering product;
 - Patented and applied powder coating technology
- 2005**
 - Go-live of the first automated assembly line for exterior wall composite panels
- 2006**
 - Patented and applied the exterior wall composite panel structure
- 2008**
 - Certified as Energy-saving Building Product

2009~2011

- 2009**
 - Won State Award of Leading Brand of the year in exterior wall industry;
 - Became Editor of "State Building Code for the Exterior Wall Composite Panel"
- 2010**
 - Certified as ISO 9501 for manufacture
- 2011**
 - Large-scale automated production facilities on line, annual production capacity of 8 million square metres;
 - Awarded "Chongqing High-tech Product"

2012~2013

- 2012**
 - Awarded the title of high-tech enterprise in Chongqing
 - Director unit of China Building Energy Efficiency Association
- 2013**
 - Became Editor of "Building External Wall Thermal Insulation Fire Isolation Belt Technical Specifications"
 - Became Editor of "Thermal Insulation and Decorative Composite Board External Wall Insulation System Application Technical Regulations"
 - Became Editor of "Thermal Insulation and Decorative Composite Board External Insulation System Building Construction"

2014~2016

- 2014**
 - Recognised as green building products
 - Became Editor of "Thermal Insulation and Decorative Panel External Wall Insulation System Materials"
- 2015**
 - Awarded with invention patent of Slotted Anchoring Insulation Panel System.
 - Built the largest exterior wall insulation panel project of the year in Asia.
- 2016**
 - Became Editor of "State Engineering Guidelines for Exterior Wall Insulation System"
 - Creation of the "Wallshell" brand to enter the North American market

2017~2019

- 2017**
 - Member ofAWCI USA, Debut in INTEX 2017
 - Member of NAHB USA, Debut in IBS 2017
 - Achieving compliance with ASHARE 90.1
- 2018**
 - Award of ICC ESR for U-Shield and V-Shield panel systems
- 2019**
 - Became AIA CES provider
 - Certified as ISO 14001
 - Certified as ISO 45001

2020~2023

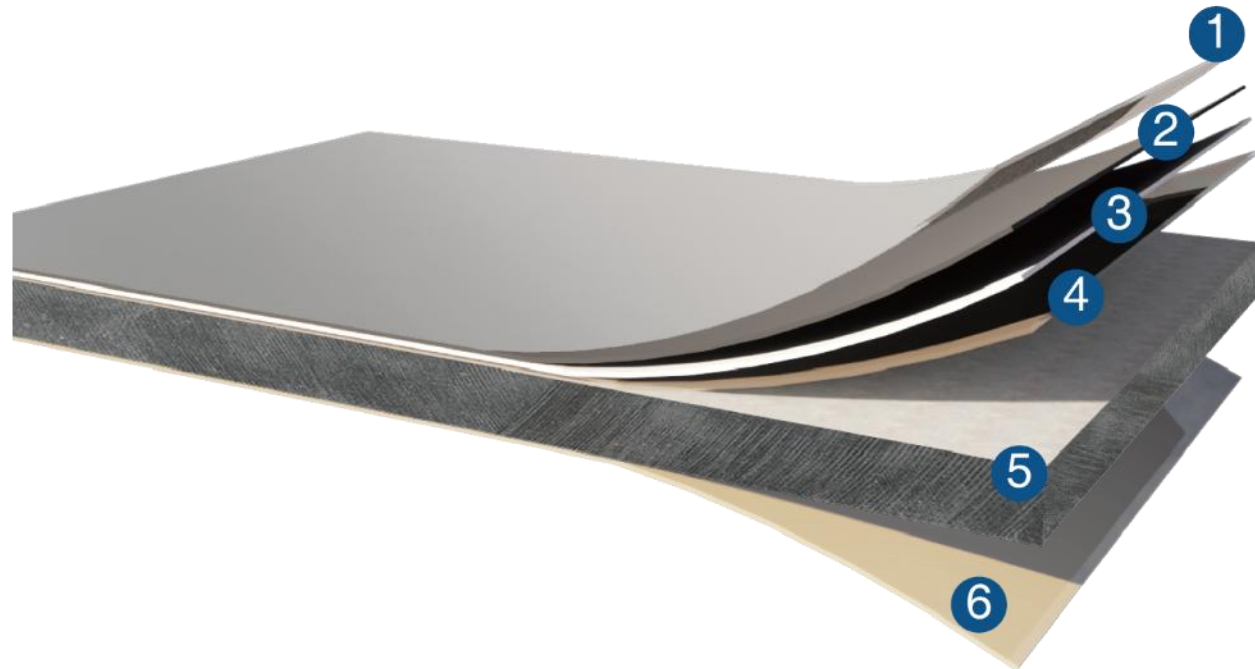
- 2020**
 - Obtained Green Building Material Certification
- 2021**
 - Participation in the "Study on the Development Path of Passive Ultra-low Energy Building Materials"
- 2022**
 - Won the SDC competition and completed the 48-hour zero energy challenge
- 2023**
 - Became Editor of "Technical Standards for the Application of Assembled Thermal Insulation and Decorative Panel Wall Insulation System"



Pro-Coated Fiber Cement Panel

The source of magnificence, the power of endurance, and the accent of individuality, GAJCladding, High-strength carrier board, Unique pretreatment process, and Scientific coating process to ensure exceptional coating adhesion. With its wide-range of texture and color coated façade panels, provides you with an endless inspiration, a realization of architect's original vision and a comprehensive and versatile solution for your creative individuality.

Not Just the Panels + Coatings



1. Protective Layer
Enhances the Coating's Resistance to UV and Stains
2. Top-coat Layer
3 super UV-Resistant and Decorative Coats
3. Base-coat Layer
Enhance the Aesthetics of the Coating
4. Pre-treatment Layer
Reacts with the Carrier Board and the Coating to Give the Coating Superior Adhesion
5. Carrier Board
High Density Fibre Cement Board
6. Waterproof Layer
Closure of the Sides and Back of the Panel



High-strength Carrier Board, Exclusive Pre-treatment

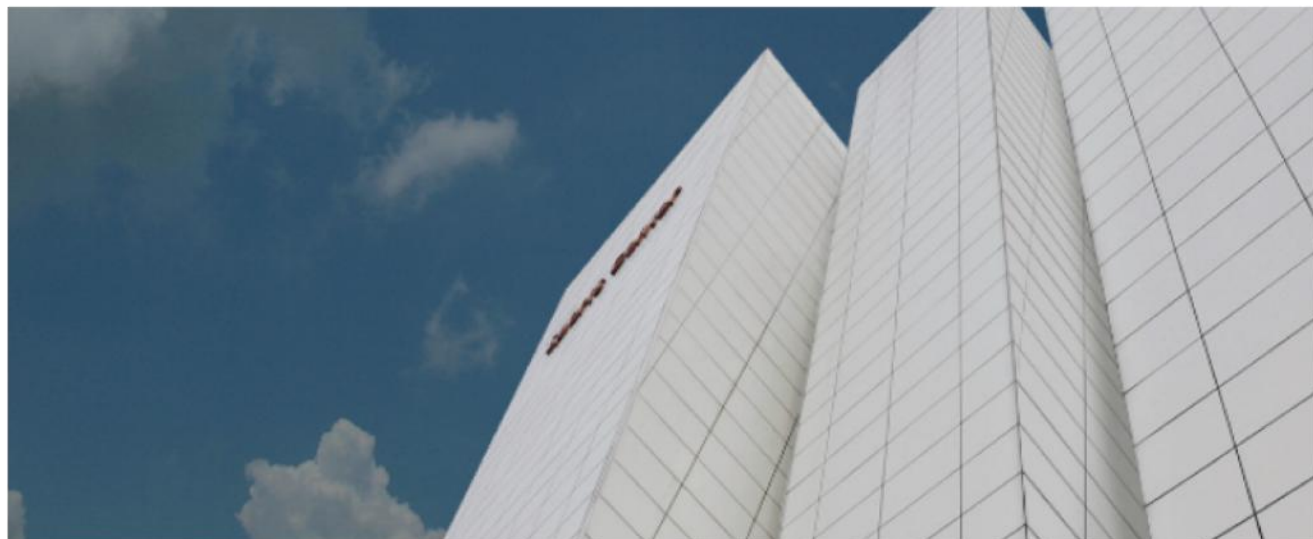
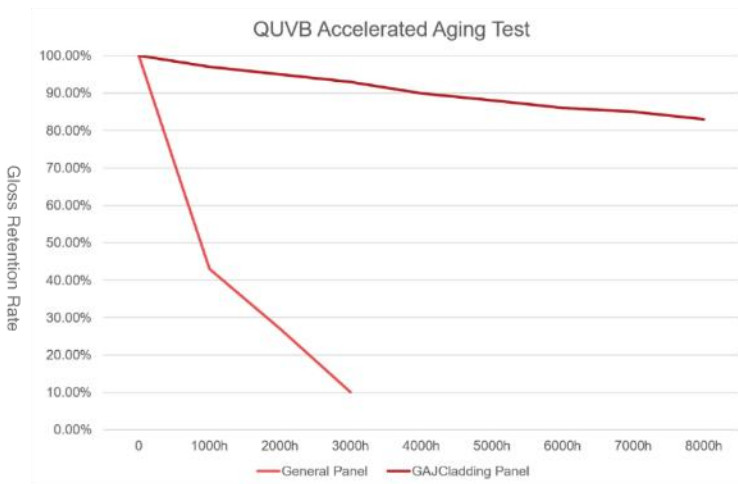
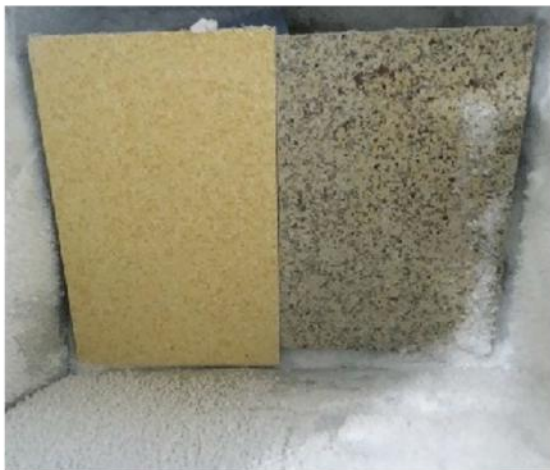
Applying a coating to fiber cement boards is not as simple as just layering the coating onto the material. High-density fiber cement boards have a water absorption rate close to 20%, so before coating, we need to perform a pre-treatment to reduce the substrate's water absorption rate and seal the pores in the fiber cement board.

GAJCladding's pre-treatment not only seals the board but also reacts with the fiber cement, enhancing the interlayer bonding strength of the board. Additionally, it reacts with the subsequent coating, firmly integrating the coating with the substrate to form a cohesive unit. This process lays a solid foundation for the durability of the pre-coated fiber cement board.

Frost Resistance, UV Aging resistance

Exterior wall panels face a variety of harsh tests in practical use. Beyond the basic physical performance indicators, the challenge is how to ensure that the panels do not delaminate, peel, or fade, maintaining a like-new appearance over time.

GAJCladding's panels have undergone rigorous testing, including more than 100 freeze-thaw cycles without six-sided waterproof sealing and over 8,000 hours of accelerated UV aging tests, proving their durability and long-lasting performance.





Endless Variations of Textures & Colors

As natural as granite or as shining as metals, GAJCladding's distinctive powder-coated fiber cement panels have been a leading brand for decades in the cladding industry. Its unique natural look and timeless beauty provide an exciting and noble expression to every building. The special coating also shows strong scratch resistance and offers lasting defense against graffiti. GAJCladding has taken all that is great about fiber cement and engineered it into the magnificent rain screen and weather barrier cladding systems that stand out in the construction world.

Ceramicshell



Metalshell



Pearlshell



Wiryshell



Granitshell



Brickshell



See Catalog for more colors

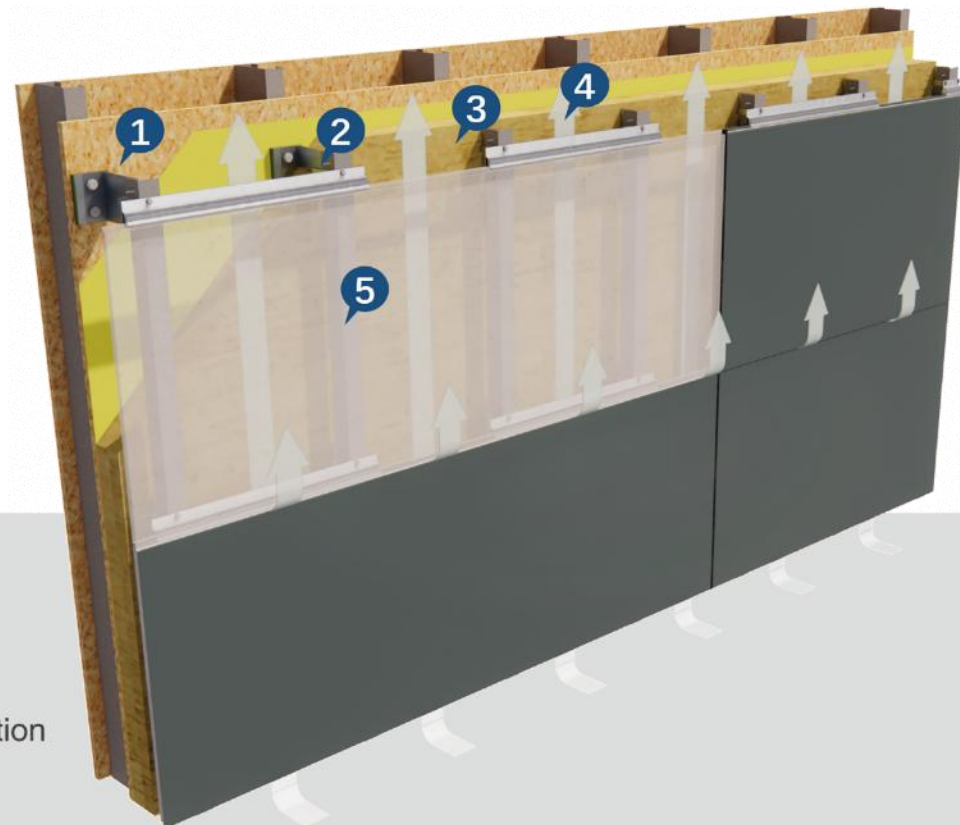
Through-Colored Fiber Cement Panel

The true spirit of modern architecture, expressed through the raw beauty of fiber cement—GAJCladding Through-Colored Fiber Cement Panels. With a through-colored core, these panels reveal the natural, unrefined textures of the fiber cement material, creating a striking, authentic look that stands out in contemporary designs. Each panel highlights the unique, organic patterns formed by the fibers within, offering a bold, textural contrast that adds depth and character to modern façades. Built to withstand the test of time, GAJCladding ensures your designs remain as vibrant and enduring as the material itself.



Back-ventilated Rainscreen

The back-ventilated rainscreen system designed for rainscreen cladding applications with rear ventilation, they combined with each other to become the most reliable system. This cladding system not only effectively protects the building and its structure from the elements for a long time, but it also reduces humidity and the air circulation optimizes the efficiency of insulation. Therefore, problems such as mould and fungus do not occur.



1. Exterior Wall
2. Support Frame
3. Exterior Thermal Insulation
4. Ventilated Cavity
5. GAJCladding Shield Panel

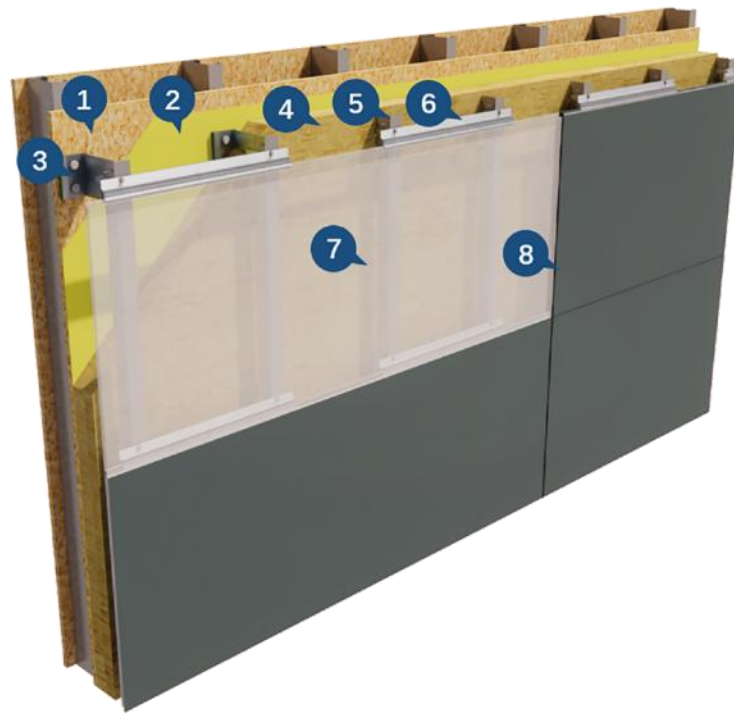


Advantages

- Almost no maintenance;
- Maximum thermal insulation effect, no thermal bridges, keeping the building structure at a constant temperature;
- Humidity / condensation is eliminated;
- Significant energy savings for HVAC;
- No cracks, sealants or painting problems.

GAJCladding H-Shield

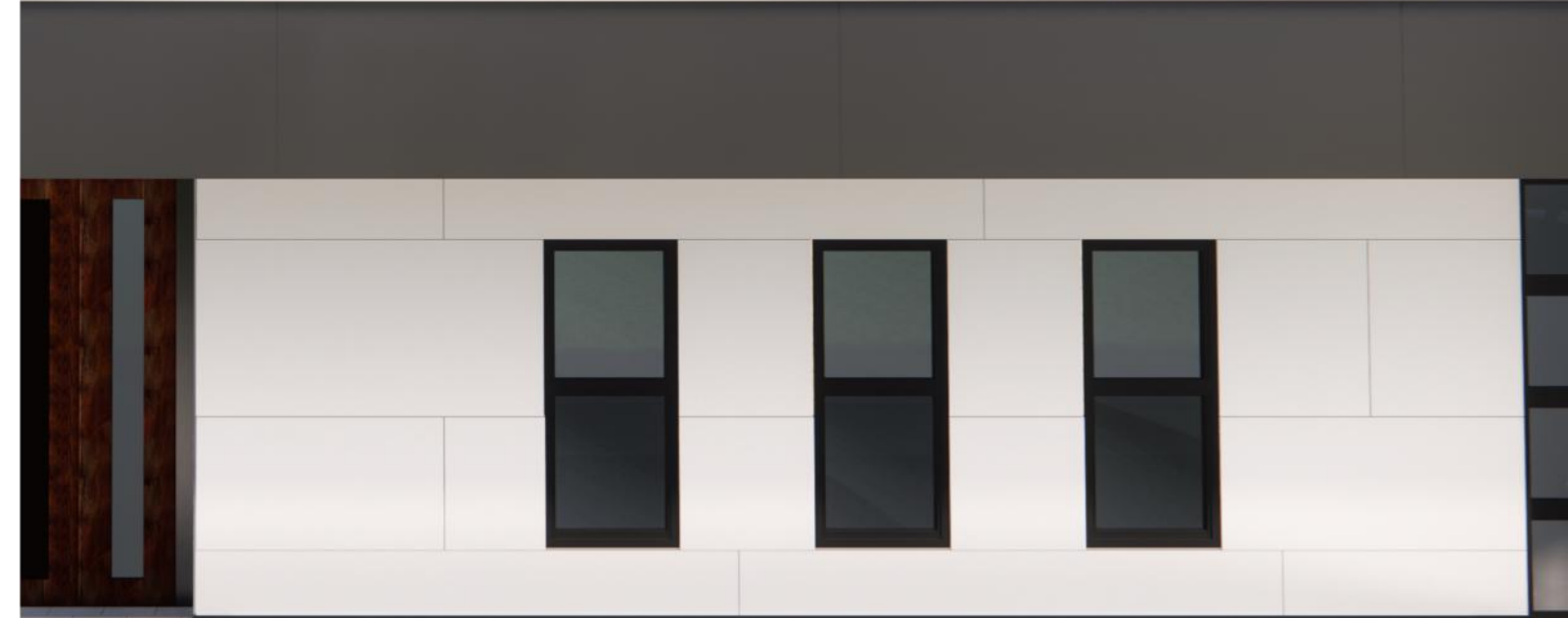
The H-Shield Rainscreen System is a concealed anchoring system with a special pre-fabricated panel seam configuration that can be used both to anchor panels and to conceal anchors. The standardized prefabricated panels in multiple sizes can be installed quickly on site and can be adapted to a variety of decorative system.



1. Exterior Wall
2. Vapor Barrier & Waterproof
3. Brackets
4. Exterior Thermal Insulation
5. Vertical Rail
6. H-Shield Clip
7. H-Shield Panel
8. Weatherproof Sealant & Joint Strip

Overview Panel Sizes

400x2440x12mm	400x2440x15mm
600x2440x12mm	600x2440x15mm
800x2440x12mm	800x2440x15mm





GAJCladding V-Shield

The V-Shield Rainscreen System is a visual anchoring system that transforms functional anchoring into a key design element of the building's facade. By making the anchors visible, it not only secures the cladding materials firmly but also contributes to the architectural beauty, offering a modern, industrial look that is both appealing and practical. This system is designed to ensure that each anchor not only supports the structural integrity but also enhances the visual impact, making it a perfect choice for designs that aim to make a statement through exposed mechanical details.

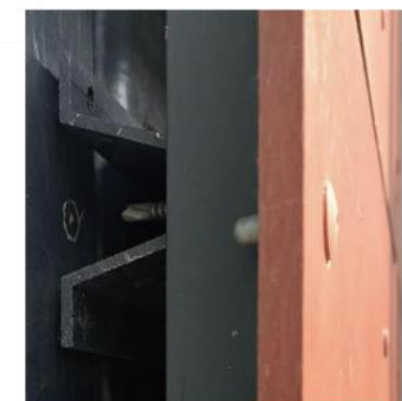


1. Exterior Wall
2. Vapor Barrier & Waterproof
3. Brackets
4. Exterior Thermal Insulation
5. Horizontal Rail
6. Vertical Rail
7. V-Shield Panel
8. Rivet or Panel Anchor



Overview Panel Sizes

- 1220 x 2440 x 8mm
- 1220 x 2440 x 10mm
- 1220 x 2440 x 12mm



GAJCladding U-Shield

The U-Shield Rainscreen System is a sophisticated approach to mounting fiber cement panels, designed to employ the strength and stability of concealed, undercut anchors. Each panel is meticulously pre-drilled at the back to accommodate a specialized hanger clip and expanding bolt anchor, ensuring a secure and enduring attachment. The system is ingeniously paired with a clip cladding support system that bolsters the thermal performance of insulated exterior walls. By separating steel girts from the backup wall, it preserves the complete insulation value and eliminates thermal bridging typically associated with traditional steel girt systems.

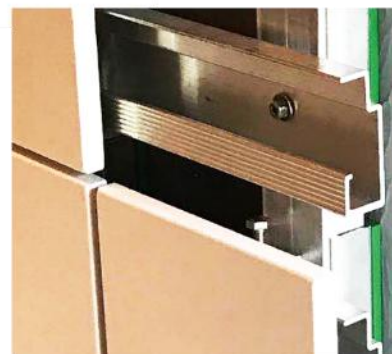


1. Exterior Wall
2. Vapor Barrier & Waterproof
3. Brackets
4. Exterior Thermal Insulation
5. Vertical Rail
6. C-Profile Horizontal Rail
7. C-Profile Clip & Undercut
8. U-Shield Panel

Overview Panel Sizes

1220 x 2440 x 12mm

1220 x 2440 x 15mm



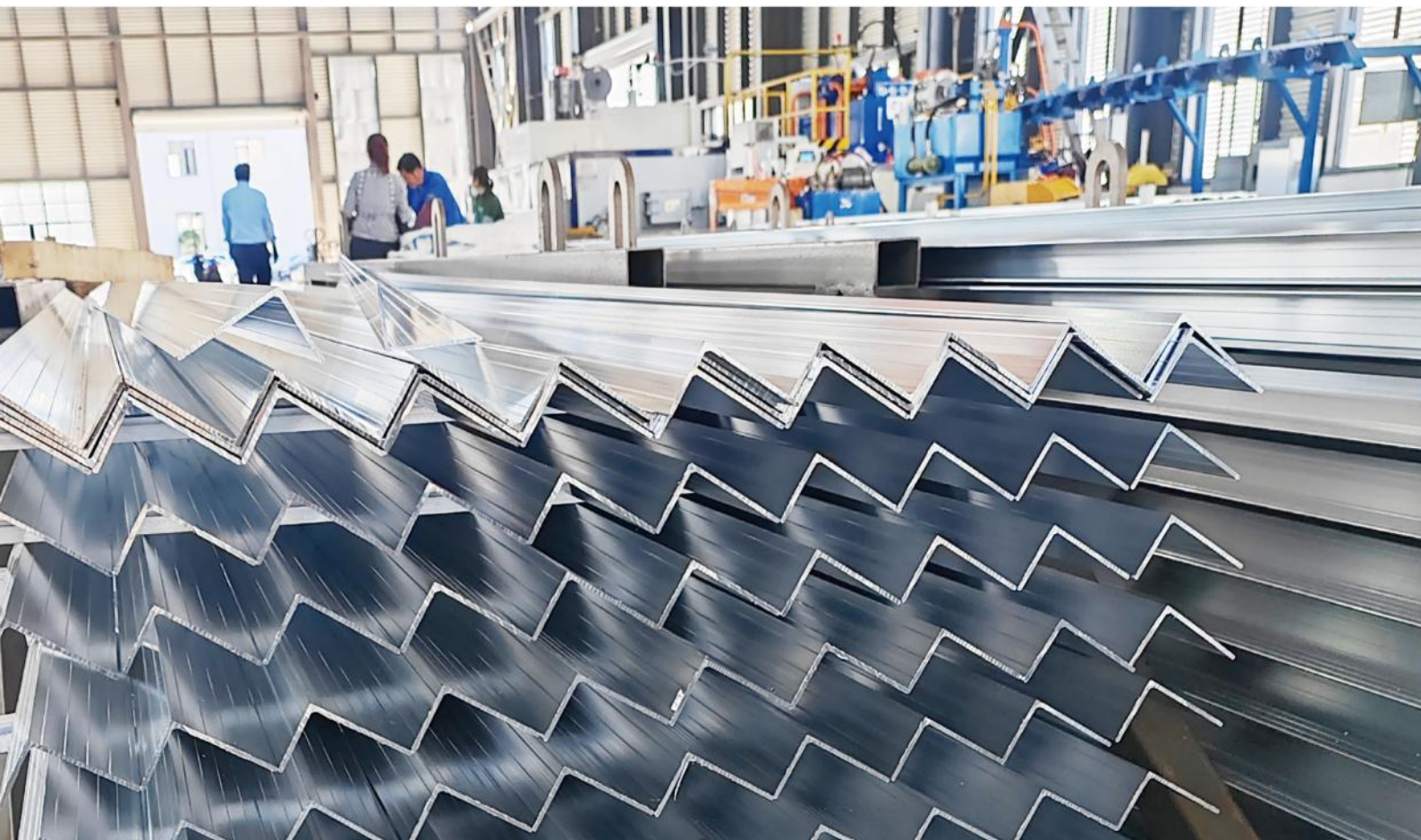
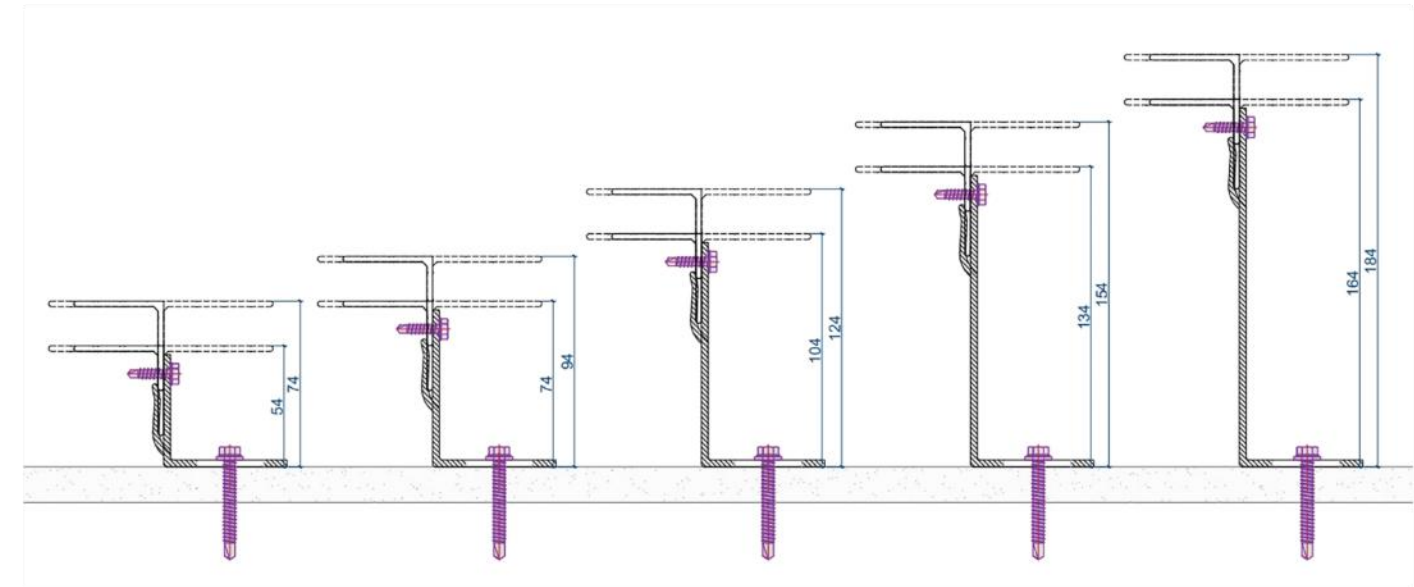


Cladding Support System

GAJCladding Support Systems are engineered for easy installation and are designed to seamlessly integrate with a variety of rainscreen systems. Our high-performance attachment solutions not only improve installation efficiency and speed but also ensure safety and cost-effectiveness. Whether it's a simple or complex façade design, our support systems enhance the overall structural integrity and provide a reliable, user-friendly solution for fast and secure cladding installation.

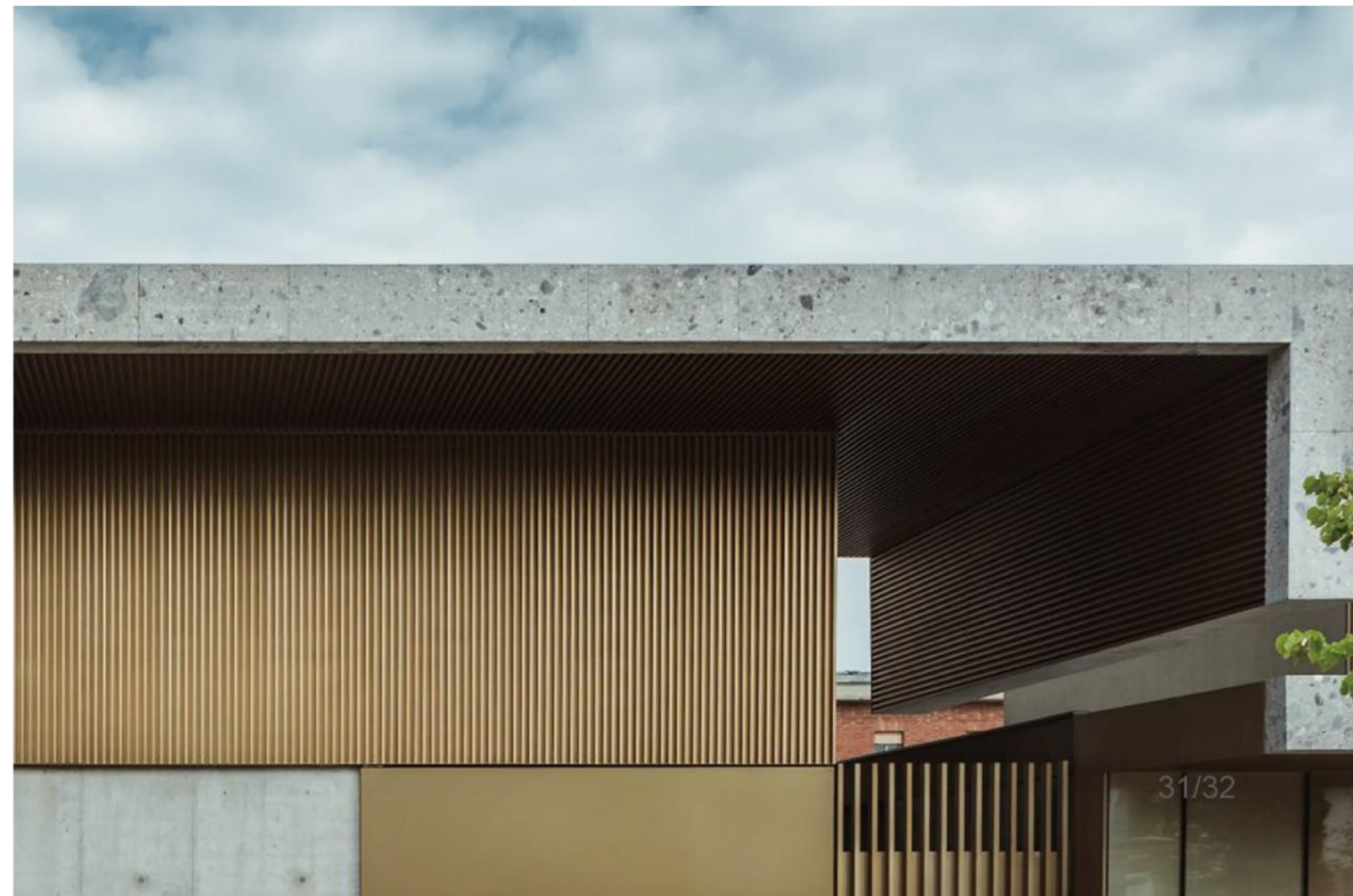
Tailored Cladding Support Solutions for Every Project

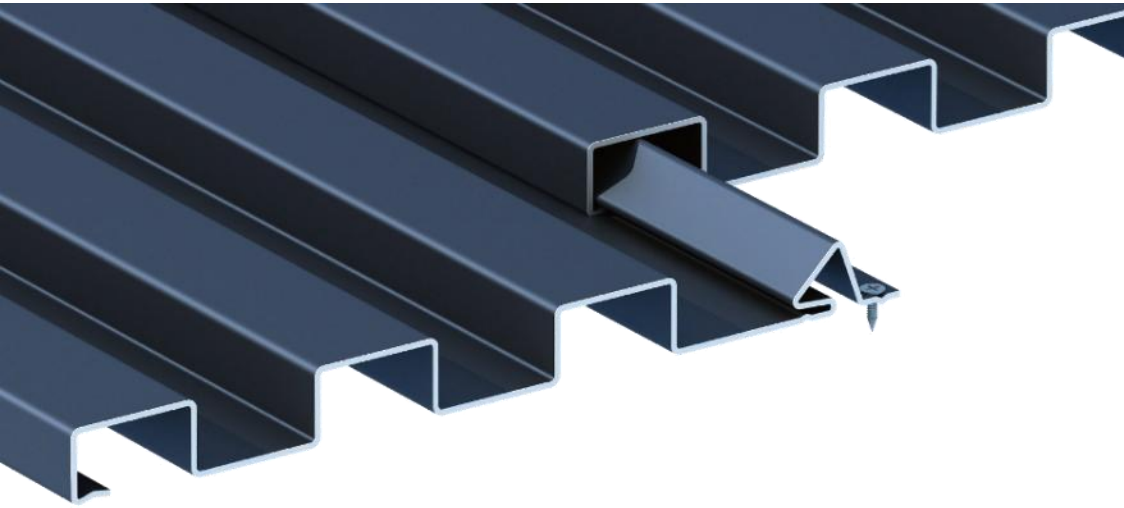
Specify a tailored exterior cladding support solution for each project. The requirements for every façade and cladding system vary, depending on factors such as local wind loads, façade height, substrate material, selected cladding material, and the cladding zone. All GAJCladding Support Systems can be engineered to meet the specific needs of each project, ensuring optimal structural support and performance.



Fluted Decorative Panel

Provides architects and designers with creative flexibility by combining bold visual impact with simple, cost-effective installation. Two materials and a wide range of colours are available. The structure is a concealed hook-and-loop structure, with no fixings exposed, and can be fixed by nailing through the panel structure, eliminating the need for additional fixing hook pieces to hold it in place, greatly improving installation speed and saving on construction costs.





Al-Mg-Mn Panel

Aluminium-magnesium-manganese panel is a very cost-effective material for roofing and external walls. Aluminium alloy is widely used in the construction industry and plays an important role in the development of modern buildings towards comfort, lightness, durability, economy and environmental protection.



Co-Extrusion WPC Panel

Co-Extrusion WPC (Wood-Plastic Composite) Panel is an advanced and eco-friendly material that combines the benefits of both wood and plastic. The co-extrusion process enhances the panel's durability, weather resistance, and aesthetic appeal. It is perfect for external wall cladding, decking, and other outdoor applications, offering excellent protection against UV rays, moisture, and termites. This material is low-maintenance, sustainable, and provides a natural wood-like appearance, making it an ideal choice for modern building designs.



Insulation Material

At GAJCladding, we offer a wide range of high-quality insulation materials tailored for building envelope systems. Our products include Rock Wool, PU Foam, and other advanced insulating materials, designed to provide superior thermal performance and energy efficiency. Whether for external walls, roofs, or facades, our insulation solutions help improve comfort, reduce energy consumption, and enhance the overall durability of the building. Engineered to meet the highest industry standards, our materials are fire-resistant, moisture-resistant, and environmentally friendly, ensuring optimal protection for both residential and commercial projects.





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