

aluminium facades

Hook-on, Tray & Plank Systems

MetSkin

ALUMINIUM CLADDING

VIVALDA
bringing construction to life®

pura
facades®

BBS FACADES
Cladding & Boards

Introducing our latest innovation in architectural design and construction



MetSkin is an outstanding aluminium rainscreen cladding solution that meets all aesthetic and technical requirements for a building facade, offering a perfect blend of durability and sustainability.

MetSkin opens up a world of design possibilities for architects and contractors alike. With its sleek, modern appearance and clean lines, it effortlessly enhances the visual appeal of any structure, be it a new build or a remediation project. Whether you're working on a residential high-rise, a commercial complex, or a public facility, MetSkin is the ideal choice for creating an impressive facade that leaves a lasting impression.

The system's design and use of high-quality materials offers exceptional resistance to harsh weather conditions, maintaining the facade's longevity and appearance. MetSkin systems combine elegance, shape, sustainability, and, above all, safety. We understand the fundamentals of facades, achieving perfect sight lines, easy installation, and strict tolerances.

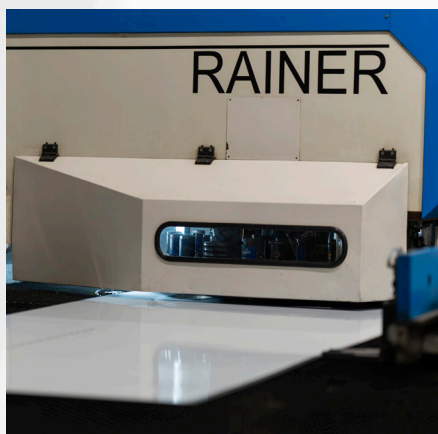
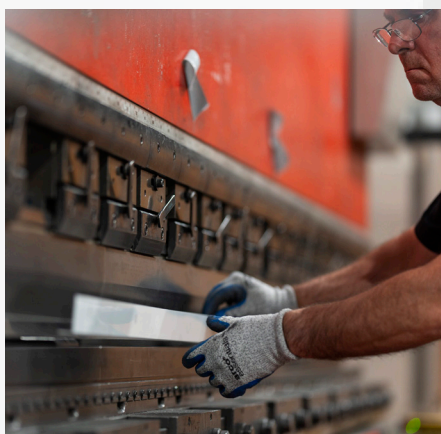
Our aluminium facade system offers architects and designers a versatile range of options to bring their creative visions to life. The system is designed to provide durability and aesthetic appeal, in addition to increased speed and ease of installation.

Each system is engineered to offer unique benefits and adaptability to a wide range of architectural styles. The three systems are designed to fit back to off-the-shelf support rails for all systems. This means there is no need for special C channels, mullions, or bespoke hanging systems, making MetSkin systems easier to order, quick to supply, and easier to locate and install on site.

MetSkin panels can be perfectly colour-matched to all profiles, thanks to our in-house Qualicoat status and approval by major powder coat manufacturers.

Manufactured by MSP Facade Solutions, who have been producing aluminium panels for over 30 years with a heritage of skilled metalwork combined with technical expertise in panel design and production, MetSkin is supplied as a fully tested and warrantied system made by a UK manufacturer. Come and see your project panels being made!

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Fully Tested

Our systems have been fully tested to CWCT standards at an accredited testing centre ensuring they meet rigorous industry standards and are resilient to extreme weather conditions, maintaining the façade's longevity and appearance. In line with standard rainscreen requirements, MetSkin cladding systems are fully drained and ventilated, allowing sufficient ventilation and drainage to the cavity to ensure performance is maintained.

Fire Performance

Aluminium is generally considered non-combustible: it is listed as such in the CONSLEG: 1996D0603 –12/06/2003 document, which is readily available online.

Aluminium facades are widely used in modern construction due to their lightweight, durable and aesthetic qualities. Generally, MetSkin panels, suitable support structure and ancillary items are capable of achieving an A1 or A2 classification under EN 13501.

EN 13501-1 is a European standard that classifies construction products based on their reaction to fire. The standard defines several parameters that contribute to the overall reaction to fire classification, including:

- Ignitability (SBI Test)
- Flame Spread (SBI Test)
- Heat Release Rate (HRR)
- Smoke Production (SBI Test)
- Droplet/Particle Formation (SBI Test)



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Aluminium Facades

MetSkin systems are manufactured with MSP Quality by a skilled metalwork team producing quality metal facades in our well-equipped factory in the UK. MetSkin is manufactured with MSP Heritage – over 30 years of experience, thousands of completed building facades

and longstanding satisfied customers. MSP Façade Solutions welcomes MetSkin customers to visit their factory to check out their facilities and outstanding workmanship.

Performance:

- Exceptional weather resistance
- Exceptional impact resistance
- Thermal and acoustic insulation
- Fire resistance
- UV resistance
- Premium grade aluminium
- Available in 2mm or 3mm thickness
- Low maintenance requirements
- Lightweight design
- Invisible fixing method
- Superior quality
- Recyclable
- Versatile

Additional Benefits:

- Designed with contractors in mind
- Design assistance
- Options for customisation of panels
- Colour Samples and mock-ups are available on request
- No onsite fabrication required
- Invisible fixing method
- MetSkin Hook-On system allows independent panel removal
- Half rail profile options
- Colour matched L & T rails
- Variable joint sizes

The MetSkin systems are designed to utilise ‘off the shelf’ support rails for all panel systems. This means there is no need for special C channels, mullions or bespoke hanging systems, making MetSkin systems easier to order, quick to supply and easier to locate and install on site.

MetSkin Interlocking Plank System

The Interlocking Plank System offers a versatile solution with its interlocking design, providing both structural stability and design flexibility. The planks are designed to fit seamlessly together, creating a continuous facade surface. This system is particularly well-suited for projects where a dynamic appearance is desired and offers a cost-effective solution for a sleek linear finish.

The design of the Interlocking Plank System ensures structural stability through its interlocking mechanism. The planks are crafted to securely fit together, forming a continuous and visually engaging facade. Their interlocking profiles contribute to the facade's robustness and aesthetic appeal, allowing for dynamic architectural designs.

Features:

- Elongated interlocking panels with discreet fixings.
- Adjustable support system
- Mechanical fixing methods
- Maximum size: 3900mm x 500mm
- Superior quality
- Recyclable

Benefits:

- Horizontal and Vertical Installation
- Curved and Angled Configurations



MetSkin

Hook-on Cassette System with Secret Fix

The Hook-on Cassette System presents a contemporary approach to facade design. Featuring a sleek appearance, this system employs fully concealed fixings to maintain clean lines and a modern aesthetic. Cassettes are easily attached to a supporting substructure through a hook-on mechanism, ensuring efficient installation and future adaptability. The invisible fixing hook-on system has been expertly designed to ensure each panel can be removed individually for cleaning and maintenance if required.

MetSkin's vertical rails have two built-in hooks to receive the panels, eliminating the need to affix separate individual hooks that require careful alignment. This design allows for a narrow cavity, as the hook can be fitted to almost any flat surface—particularly useful in soffit applications or reduced cavity zones.

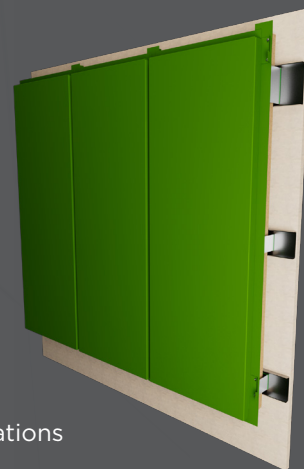
MetSkin also offers the option of a half rail profile with a 40mm face incorporating the hook to affix the panel, providing a cost and labour saving solution when abutting to features such as doors and windows in the facade.

Features:

- Aesthetically flat, precise panels with no visible fixings
- Variable sizes to suit the project
- Max panel size portrait orientation: 3490mm
- Max panel size landscape orientation: 3460mm
- Large size panels available
- Superior quality
- Design flexibility
- Modern aesthetic

Benefits:

- Efficient installation
- Adaptability and future modifications
- Half rail profile option
- Allows for a narrow cavity
- No onsite fabrication required
- Simple to design

**MetSkin**

Tray Panel System

The Tray Panel System showcases a harmonious blend of functionality and visual appeal. Each panel is individually secured to the substructure using discreet fixings, ensuring efficient installation while preserving an uninterrupted appearance. The panel design allows for customisation in terms of dimensions, shapes, and finishes, granting architects and designers creative freedom to meet project-specific requirements.

The attachment of each panel to the substructure employs discreet fixings that maintain the facade's clean lines and visual harmony. While discreet fix systems are often chosen for tighter budgets, they do not compromise on quality and aesthetics. The strategically placed, colour-matched fixings within the recessed panel joints create a seamless finish.

Features:

- Aesthetically flat tray panels with discreet fixings.
- Mechanical fixing methods
- Variable sizes to suit the project
- Max panel size portrait orientation: 3440mm
- Max panel size landscape orientation: 3510mm
- Superior quality
- Recyclable

Benefits:

- Versatile panel design options
- Efficient Installation
- Half rail profile option
- Perforation patterns available



Material and Finishes

MetSkin, manufactured by MSP Façade Solutions, benefits from the services of their in-house powder coaters 'Prism Powder Coating', Scotland's most accredited powder coaters.

Prism Powder Coating has been producing the highest quality powder coating for decades. The chrome free environmentally friendly in-house facility has achieved both Qualicoat accreditation and Akzo Nobel approved applicator status. Prism is the only Powder Coater in Scotland to hold both accolades and 1 of only 20 in the UK. The complete production process is managed on the same site which means minimal handling and gives the manufacturer complete control, contributing to a faster turnaround time.

Our aluminium facade systems are crafted from high-quality, corrosion-resistant aluminium, ensuring longevity and durability. A range of finishes, including anodized and powder-coated options, are available to meet diverse design preferences and environmental conditions.

The possibilities are limitless when it comes to colour, with thousands of RAL colours available. This is a benefit when it comes to remediation projects that require aspects of the building to seamlessly merge together. MetSkin is supplied with perfectly colour-matched rails, meaning there is no need to insert separate infill strips behind the panel joints, achieving a flawless finish.

MetSkin guarantees a 'perfect finish promise'. Every panel passes meticulous quality checks before reaching the hands of our customers. In the extremely unlikely event that a panel does not exceed expectations, it is replaced.

Finishes:

- Anodized Aluminium
- PVDF Pre-Coated Aluminium
- Powder Coated Aluminium

MetSkin guarantees a 'perfect finish promise'



Designed with contractors in mind

Installation

MetSkin has been expertly designed using an innovative backing rail system to support multiple panel-type options. Our systems are designed to accommodate various substructure configurations while maintaining the integrity of the facade.

Our Hook-on cassette system features modified hooks to easily receive the panel ensuring maximum efficiency, saving time for installers.

Designed with contractors in mind, It's easy to order, quick to supply, and straightforward to install and maintain.

Comprehensive installation instructions and guidelines are provided to ensure a seamless and efficient installation process.

**Require a quote on your next project?
Get in touch with our team today:
email: sales@vivalda.co.uk**



UK & Ireland Distributors:

Get in touch with our team today to learn more about how our Aluminum Facade Cladding can elevate your construction project to new heights.

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MetSkin is manufactured by MSP Facades Solutions, part of the Vivalda Group.
MetSkin distributors provide nationwide support covering the UK & Ireland.
Benefitting from decades of experience manufacturing and distributing façade materials, our exclusive distributors can provide design assistance and a complete solution for any application.

