

ABOUT STRYÜM

Offering the largest range of inspiring interlocking boards on the market, utilising Stryüm on your next project will deliver design flexibility. Stryüm can be installed either horizontally or vertically when specified for a truly modern and versatile exterior cladding option.

Using only premium raw materials and finish options – Stryüm achieves an unprecedented level of quality, reliability and longevity. It is a 100% Australian owned and manufactured solid aluminium façade system, providing maximum fire and weatherproofing performance. It is deemed non-combustible, meeting requirements of AS1530.1, AS1530.3 and AS4284.

The ventilated rainscreen façade system is available in ten individual profiles that can be used interchangeably, reflecting its unparalleled design scope. With concealed fixing and express installation, Stryüm is perfect for class A, B and C developments.

Stryüm's interlocking aluminium panels are designed to be installed on a ventilated substructure in order to create the free circulation of air behind the panels themselves. Available in an unlimited range of colours, textures and contemporary finish options as well as the availability of both standard and custom sizes; the Stryüm range delivers limitless aesthetic options for use in applications of any scale or in any environment. The express installation system reduces time and cost, along with its 15-year warranty, national delivery, support and technical expertise; Stryüm is the ideal premium cladding solution for construction and architectural design professionals.





OPTUS STADIUM

PROJECT

Optus Stadium

ARCHITECT

Westadium Consortium

BUILDER

MULTIPLEX

PRODUCT

Stryüm

COLOUR

Various

Stryüm - our Australian-made, deemed non combustible interlocking solid aluminium façade system - was chosen to provide a unique and customised finish to the 60,000 seat Perth Stadium development. The innovative façade for this world-class sporting venue was designed by WESTADIUM, a consortium of three architectural teams: HASSELL, Cox Architecture and HKS Sport + Entertainment.

The stadium features over 16,000m² of Stryüm in 6 different anodized colours: 5 variations of bronze and 1 of red. In total, 200 tonnes of local aluminium cladding was manufactured for the project of which 20% was perforated and 80% was solid. There were also an impressive 15 custom extruded profiles used on the façade.

STRYÜM HIGH PERFORMANCE CLADDING PROFILES ARE INDEPENDENTLY TESTED TO AS1530.1 & AS1530.3, AND DEEMED NON-COMBUSTIBLE MAKING IT A SAFE CHOICE FOR ANY DEVELOPMENT.



KEY FEATURES

Quality runs through every element of the Stryüm product range - from aesthetics and the rainscreen façade installation system, through to reliability and product longevity. Committed to sustainability, it is 100% recyclable offering an eco-friendly building solution.

All Stryüm profiles are made of solid aluminium moulded to form the interlocking panels. Stryum is fully compliant, having been tested to AS1530.1, AS1530.3, and AS/NZS4284.

PANEL SPECIFICATION

The typical composition of Stryüm incorporates two elements – extruded solid aluminium and applied finish. In comparison to cassette style ACPs, this interlocking façade system requires minimal fabrication, resulting in lower installation costs and increased efficiency.

Offered in ten different profiles, each providing a distinct aesthetic appearance, the Stryüm range is available in various lengths, custom profiles and widths where required.

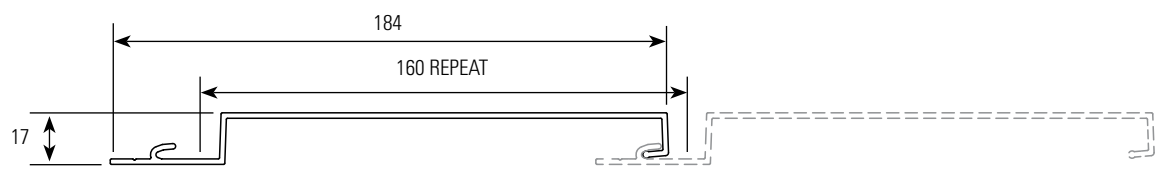
PRODUCT	STRYÜM
Product	Prefinished solid aluminium panel
Finish	Unlimited powder coat finishes, innovative textured woodgrain finishes and authentic anodised finishes.
Fixing System	Interlocking panels with concealed fixings for express installation.
Application	Type A, B and C constructions where non-combustible materials are required, such as mixed-use developments, residential construction and large-scale government infrastructure projects like hospitals.
Warranty	15-year warranty, subject to standard terms and conditions.

SHADOW

Shadow's brilliance lies in its simplicity. From the installation process, to the sustainability factor and finish options – Shadow makes simple special.

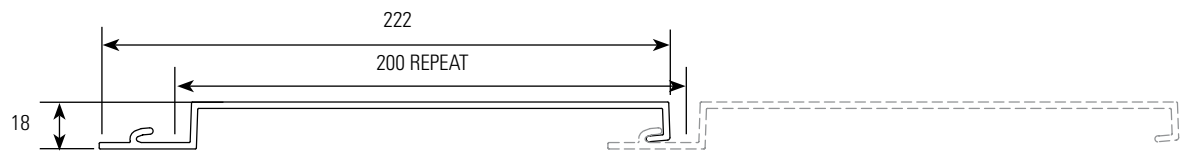
For use in façades of any scale or in any environment – Shadow will bring an enduring and sophisticated flat finish aesthetic with clean shadow lines that are guaranteed to stand the test of time.

SHADOW 160



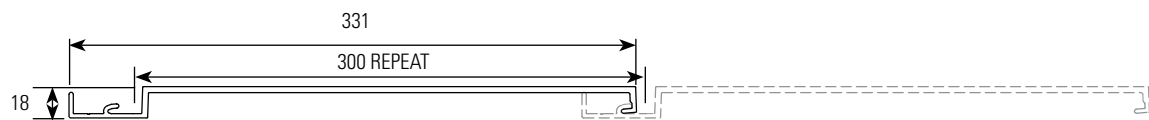
Thickness: 1.8mm	Weight: 6.9kg/m ²	Length: 6.5m	Effective Cover: 160mm per panel
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SHADOW 200



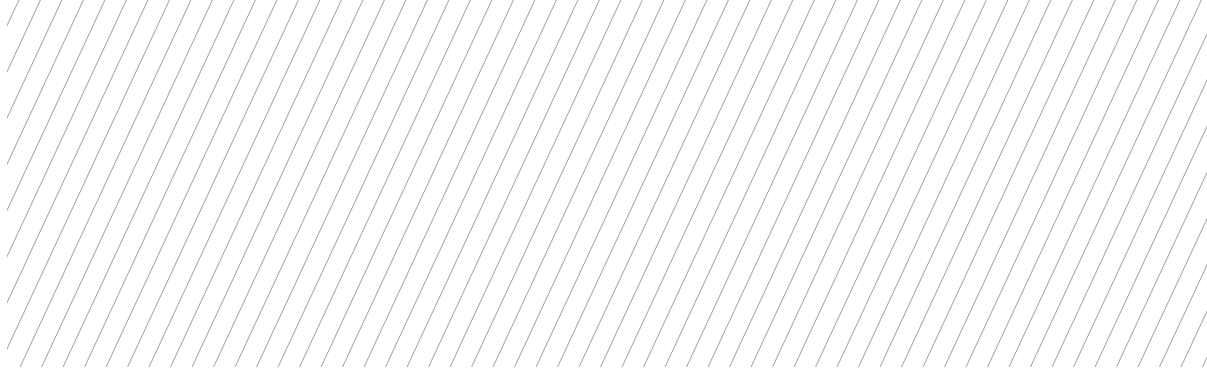
Thickness: 2.5mm	Weight: 8.82kg/m ²	Length: 6.5m	Effective Cover: 200mm per panel
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SHADOW 300

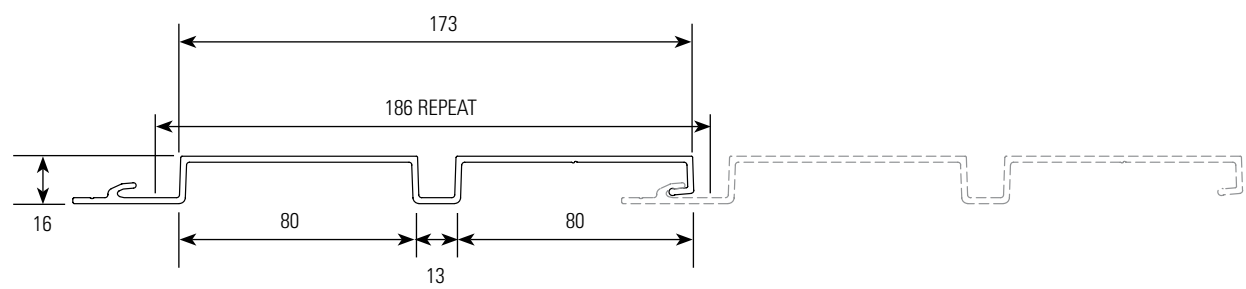


Thickness: 3.5mm	Weight: 11.29kg/m ²	Length: 6.5m	Effective Cover: 300mm per panel
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CUSTOM SIZES AND PROFILES ARE AVAILABLE, PLEASE SPEAK TO THE PANELTEC TEAM

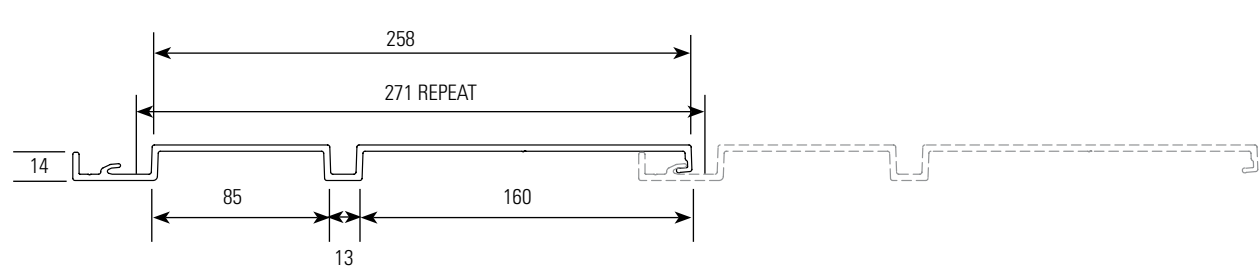


Shadow 90/90



Thickness: 2mm	Weight: 8.11kg/m ²	Length: 6.5m	Effective Cover: 186.1mm per panel
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SHADOW 170/95



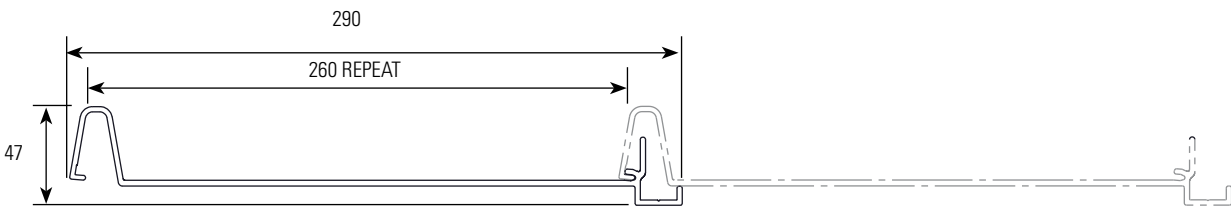
Thickness: 3mm	Weight: 10.94kg/m ²	Length: 6.5m	Effective Cover: 271.1mm per panel
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SEAM

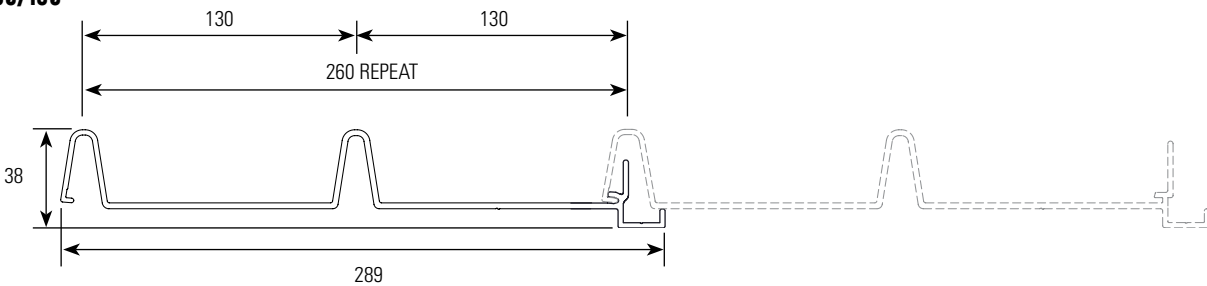
Bold and unrestrained – the standing Seam sits proud above the façade – reacting to the environment and casting shifting shadows as light conditions change.

Seam 260



Thickness: 2.8mm	Weight: 11.07kg/m ²	Length: 6.5m	Effective Cover: 260mm per panel
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Seam 130/130



Thickness: 2.8mm	Weight: 12.69kg/m ²	Length: 6.5m	Effective Cover: 260mm per panel
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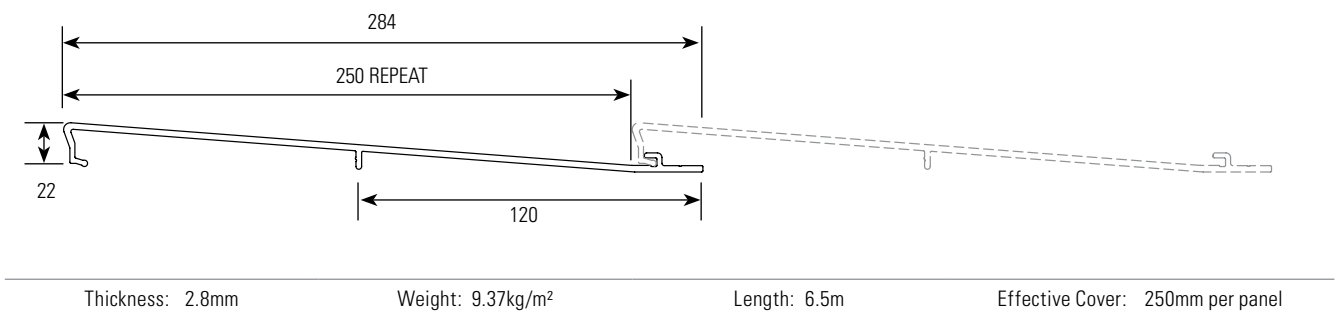


STEP

Step was the first design in the Stryüm interlocking solid aluminium façade range. A modern take on an enduring classic, reinventing a lasting legacy.

Step panels cascade over one another across a surface adding a sharp and dynamic edge to any façade. Familiar dynamic provides clients a sustainable and versatile option for façades of any scale.

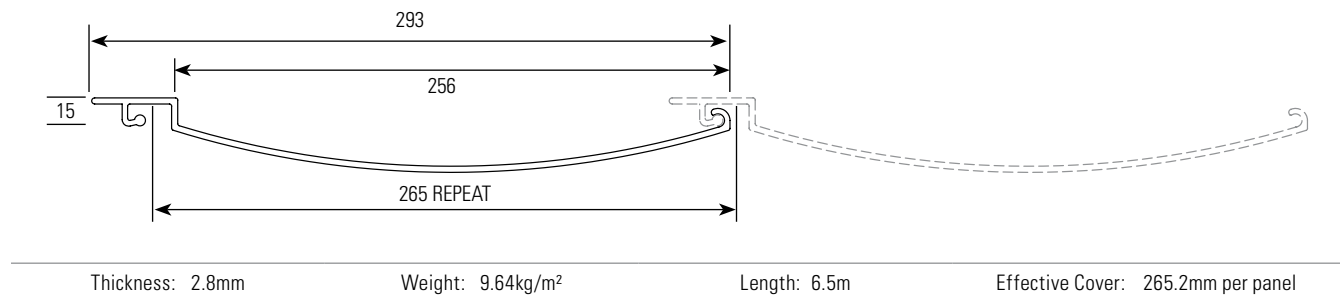
STEP 250



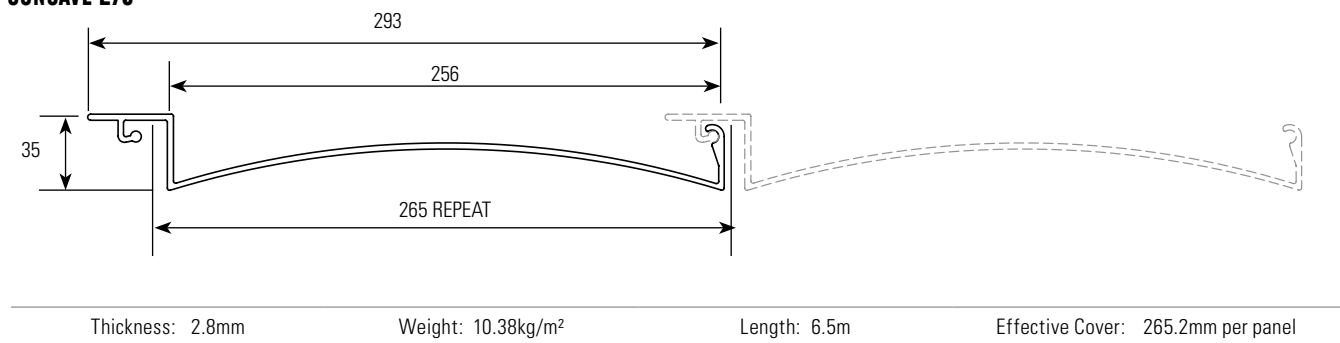
CUSTOM SIZES AND PROFILES ARE AVAILABLE, PLEASE SPEAK TO THE PANELTEC TEAM

SPECIAL ORDER PROFILES

CONVEX 270



CONCAVE 270



PLEASE CONTACT PANELTEC FOR AVAILABLE TRIMS AND COLOURS FOR SPECIAL ORDER PROFILES, AS WELL AS COMPLIANCE INFORMATION

FINISH

To view Stryüm's colour range please visit the Stryüm Colour Chart on our website www.paneltec.co.nz.

POWDER COATED

Powder coating is a process by which electrically charged paint particles are sprayed onto Stryüm's aluminium surface. The aluminium is then cured through baking in a specialised oven to produce a highly durable, flat, powder coated finish.

Stryüm's powder coat range utilises the Interpon Commercial Collection, with the full range of Dulux finishes also available. Can't find a colour that suits?

Custom finishes are also available for any landmark or special project. Consequently, Stryüm customers have access to an almost limitless choice of powder coated finish options, capable of suiting any architectural application and environment.

ANODISING

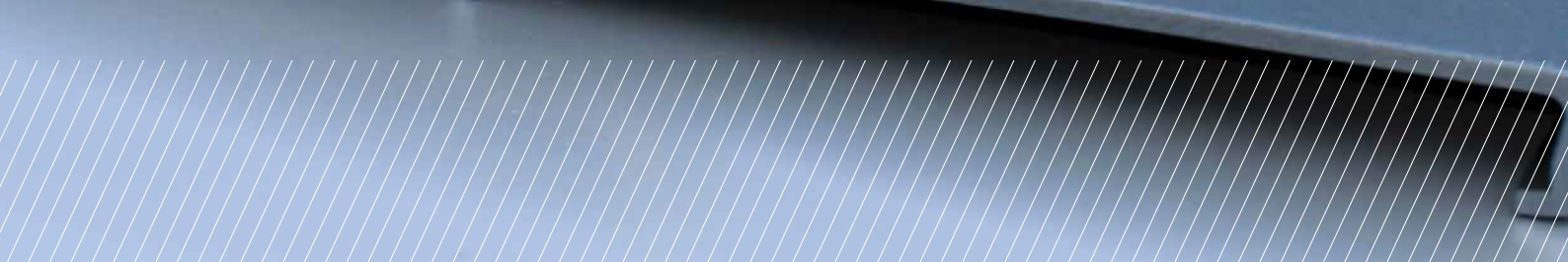
Anodising is an electrochemical process of highly controlled oxidation of the aluminium product. This process transforms the surface into a highly durable, corrosion resistant finish that maintains a natural yet highly variable look.

Stryüm anodised finishes are available in a wide variety of clear, bronze and coloured finishes. Custom colours are also available for landmark projects. This unlimited versatility provides Stryüm customers with an abundance of options to suit any appearance or application requirement while retaining the unparalleled environmental resistance of anodised products.

WOODGRAIN

Stryüm utilises a new woodgrain technology recently introduced into Australia from Europe. This technology allows for textured woodgrains with a raised grain and much greater durability than traditional methods.

This process is achieved through a powder coat process and has the same durability as our powder coat finishes. Stryüm woodgrains are available in a multitude of finishes and textures, with custom woodgrains available for landmark or special projects.



APPLICATION DIRECTION

One of Stryüm's finish options is the direction in which the panels are applied. The Stryüm profiles incorporate the ability to apply panels to a façade in vertical or horizontal fashion with equal ease. To make a bold and unique statement, panels may even be applied at an angle across the face of a building, bringing unusual innovation and individuality to any façade.

For custom application angles, please contact Paneltec to discuss the detailing requirements.

PROFILE	HORIZONTAL	VERTICAL	CUSTOM
Shadow 160	•	•	•
Shadow 200	•	•	•
Shadow 300	•	•	•
Shadow 90/90	•	•	•
Shadow 170/95	•	•	•
Seam 260		•	•
Seam 130/130		•	•
Step 250	•		•
Concave 270*		•	•
Convex 270*		•	•

*SPECIAL ORDER



FIXING SYSTEM

Stryüm aluminium façade panels have been designed by a team of dedicated engineers and commercial façade installation professionals. Applying the rainscreen principle, the Stryüm system is installed over a weatherproof substructure with air flow, drainage and ventilation occurring beneath the façade.

Stryüm's panels employ a simple tab-and-hook mechanism that allows each panel to interlock with pre-loaded strength. Stryüm panels then overlap one another, concealing all fixtures and implementing a more modern and dynamic aesthetic.

The Stryüm system has been designed to eliminate the need for external sealants, making installation faster while reducing labour and material costs. Stryüm also incorporates a specially-designed selection of trims, allowing every architectural detail to be met with an effective and aesthetically-pleasing solution.

Stryüm is offered as a fully integrated façade system that has been rigorously tested and is CodeMark certified as a tested system. Paneltec offers a comprehensive range of sub framing components available through the Indurafix range, designed to seamlessly integrate with the Induracore G2 cladding system, ensuring full compliance with building codes. These sub-framing components are engineered to support the structural integrity of the cladding while providing a reliable foundation that enhances the overall performance of the system.

APPLICATION

Stryüm is suitable for application on Type A, B, and C constructions including hospitals, mixed-use developments and residential projects.

Stryüm is fully compliant having been tested to AS1530.1, AS1530.3, and AS/NZS4284. Longevity of Stryüm panels is further enhanced due to the product being designed to eliminate oil-canning, providing long term protection of investments.

VENTILATED RAINSCREEN FAÇADE

Developed in Scandinavia in the 1960's as a way of combating harsh climactic conditions – the rainscreen façade principle is integral to the Stryüm system and its installation. Acknowledging that traditional face-sealed façades are unlikely to maintain their watertightness over the life the cladding, rainscreen façades are more durable and provide much greater weathertightness longevity.

A rainscreen façade involves an outer building layer which deflects heat and moisture with a ventilated void behind, which facilitates air flow and drainage. Maintaining a space between the cladding and the building wall prevents water from infiltrating the building's structure.

This has many benefits including:

- Prevention of thermal bridging
- Dissipation of solar gain
- Reducing thermal movement of the structure
- Prevention of internal condensation and mould growth
- Long-term weathertightness durability
- Condensation control
- Allowance for water drainage

WARRANTY

The Stryüm sustainable façade range is an incredibly durable material when used in the right application and installed by licensed professionals. Stryüm includes a 15-year warranty, subject to standard terms and conditions.

DISCLAIMER

While the information provided relating to Paneltec products is true to the tests and measures available to us, the information provided in this article is general in nature only and does not constitute project-specific building, construction or fire-safety advice. Before acting on any information on this document, you should consider the appropriateness of the information having regard to your project parameters and requirements. Paneltec products are deemed suitable or compliant after approval from building and construction professionals associated with specific projects and developments. If you'd like some further insight about this topic, contact Paneltec on 0508 726 358 or email info@paneltec.co.nz. We're here to see how we can help.

Please note that the Stryüm Concave and Convex profiles are not currently covered under our CodeMark Certification. These profiles may require project-specific engineering or compliance sign-off. Paneltec is actively reviewing options to include these profiles in future updates to our certified testing and CodeMark scope.

FOR MORE INFORMATION

For more information and to order online samples about the Stryüm system - visit our website www.paneltec.co.nz or call 0508 726 358.

You'll find resources detailing:

- All architectural details
- Finishing options and colour swatches
- Stryüm technical data
- Stryüm maintenance information
- Warranty information
- Contact information

All colours represented in all imagery have been reproduced as a guide only. For precise colour reproduction please refer to physical product samples.

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