

Architectural Facade Systems
CEE Division



Evolution & Matrix

kingspanfacades.com





School of Veterinary Medicine

Surrey, United Kingdom

Product
Evolution

At Kingspan, we provide architects, investors and installers with a comprehensive portfolio of advanced building envelope systems which are suitable for a multitude of applications and architectural styles. Our product range consists of visually appealing, certified, high performance and fast to install envelope solutions.

We work directly with architects, designers and building owners to provide them with the products, tools and services to create landmark buildings with all the aesthetics of leading, cutting edge design, coupled with highest thermal performance, fire protection and technical functionality.

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About Us

At Kingspan our mission is to design, develop and offer innovative, sustainable and durable architectural facade solutions to meet the demand of architects and construction professionals across wide range of industries.

We are part of Kingspan Group
What defines us is our relentless pursuit for better building performance whilst being Planet Passionate in everything we do. We are committed to accelerating a net zero emissions future with the wellbeing of people and planet at its heart.

From Local Irish Roots to Global Leader
The Kingspan Group has come a long way since its founding in 1965 in Kingscourt, Co Cavan, Ireland. We have grown largely by acquisition and globalisation remains at the heart of our ongoing evolution. While we retain our heritage and culture as a family business, we've grown to be the global leader in high-performance insulation and building envelopes. We help our customers and employees to make a difference in tackling climate change.

Kingspan Group in numbers:	
212	22 000
manufacturing facilities	employees globally
+80	5
countries	business streams



Planet Passionate Programme

— our Mission for the Planet

Climate change is one of the most important issues facing the world today. To protect our planet, we need to prevent a 1,5°C rise in global temperatures this century. To do this, carbon emissions need to be cut to net zero globally by 2050 – but we are currently on course to miss this goal by at least five-fold.

The built environment has a key role to play in this challenge. Today, buildings and construction together account for **36%** of global final energy use and **39%** of energy-related CO₂ emissions when upstream power generation is included.

Planet Passionate – our global sustainability programme

Planet Passionate is Kingspan's ambitious 10-year global sustainability programme that aims to impact three big global issues:

- Climate change
- Circularity
- Protection of our natural world



By setting ourselves challenging targets in the areas of energy, carbon, circularity and water, we aim to make significant advances in the sustainability of both our business operations and our products.

Our 2030 global commitments



Energy

Increase our direct use of renewable energy to **60%** by 2030

Increase our on-site generation of renewable energy to **20%** by 2030

Install solar PV systems on **all owned facilities** by 2030



Carbon

Net zero carbon manufacturing by 2030

50% reduction in product CO₂ intensity from our primary supply partners by 2030

Zero emission ready company cars by 2025



Circularity

1 billion PET bottles upcycled into our manufacturing processes by 2025

All **QuadCore®** insulation to utilize upcycled PET by 2025

Zero company waste to landfill by 2030



Water

5 active ocean clean-up projects by 2025

100 million litres of rainwater harvested by 2030



Modular facade systems – introduction



PB Tec headquarters

Maasdijk, The Netherlands

Product
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Modular facade systems are an excellent alternative to the rainscreen facade system. For buildings with a more linear facade, Kingspan offers a simple and effective single-component solution, that delivers aesthetically pleasing finishes with exceptionally fast install time.

All insulated wall panels are individually prefabricated modules and consist of steel cladding and insulation core. Both of presented systems – Evolution and Matrix – provide excellent thermal performance, water and weathertightness as well as superb fire performance. Once delivered to the construction site, the panels are ready to assembly. Can be installed two times faster compared to other traditional facade systems. Systems comply with all regulations and can successfully replace traditional external wall.



High quality
prefabricated
elements



Superior airtightness
and weathertightness



Quick and easy to install
in all weather conditions



High acoustic
properties



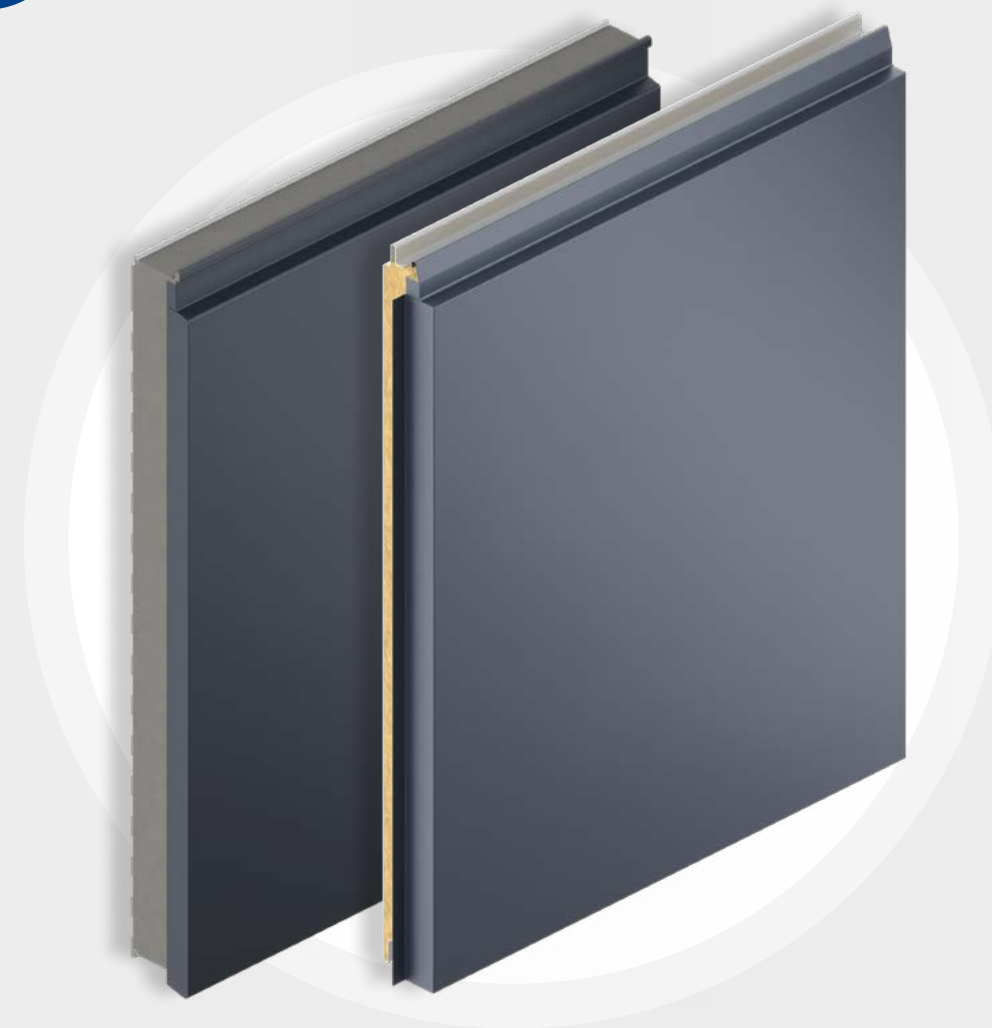
High thermal
performance



Wide colour range



Non-combustible and
fire rated



Assembly speed

Matrix and Evolution architectural facade systems are prefabricated modular, single component wall solutions that increase speed of build, minimise delays, reduce the need for multiple trades and promote earlier internal fit-out.

Step 1



Step 1. With the steel or concrete structure of the building in place Evolution or Matrix panels can be installed.

Step 2



Step 2. Each cladding element is produced and prefabricated in controlled environment. Due to its integrated insulation core the number of operations needed during assembly is limited to minimum. Panels can be installed on multiple facades simultaneously, in any weather conditions.

Step 3



Step 3. The end result is an enclosed envelope, offering superior thermal and moisture protection, installed in less time than traditional multi component ventilated facade systems.

Step 4

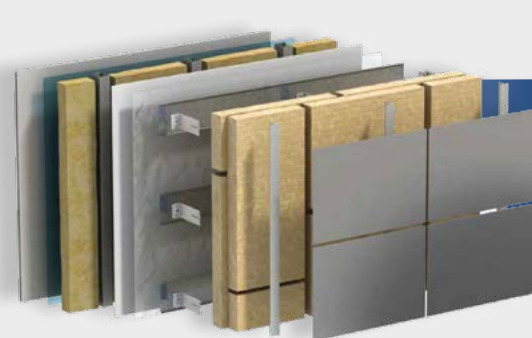


Single component vs. multicomponent facade solution

Compared to a traditional multicomponent solutions, modular systems allows for 50% shorter installation time.

Panels are lightweight and easier to handle. The single component nature reduces the need for multiple trades on site and the associated workmanship quality issues.

- Multi component
- Multi fix
- Weather limited
- Quality defects



Installation time (5000 m²)

Kingspan prefabricated single component facade systems

Traditional multicomponent facade solution

0 1 2 3 4 5
Time (weeks)

- + Single component
- + Fast to install
- + Superior thermal performance

- + Assembly in virtually all weather conditions
- + It will help you save space, time and cost

System performance



Thermal

Facade elements have integrated insulation core with proven superior thermal performance. Wide range of thicknesses allow to meet any U- value requirements. Connection between elements eliminates all thermal bridges which are often present in alternative ventilated systems.



Fire

Evolution and Matrix systems has been tested and approved to European standards complying with all relevant building regulations. The Matrix can provide up to 120 minutes fire resistance and has A2 fire classification. Please refer to specific product data sheets for detailed reaction to fire and fire resistance characteristics.



Superior airtightness and weathertightness

One of the biggest sources of building heat loss (or heat gain) is air leakage, i.e., 'leaky buildings.

Kingspan modular facade panels are rigorously tested to ensure that they remain both airtight and weathertight over the lifecycle of a building.



Acoustica

Kingspan modular systems have a minimum single weighted sound reduction index R_w of 25 dB. For details, please refer to specific product data sheets or contact our Technical department.



Structural

Facades elements of the system consist of two metal faces positioned on either side of an insulated core. All is bonded together creating one rigid element. Facades elements are self-supporting what limits number of substructure required.

The easiest, fastest and most cost effective strategy to reduce energy demand and construction costs is to utilise the high thermal performance and superior airtightness benefits of Kingspan architectural facade systems.



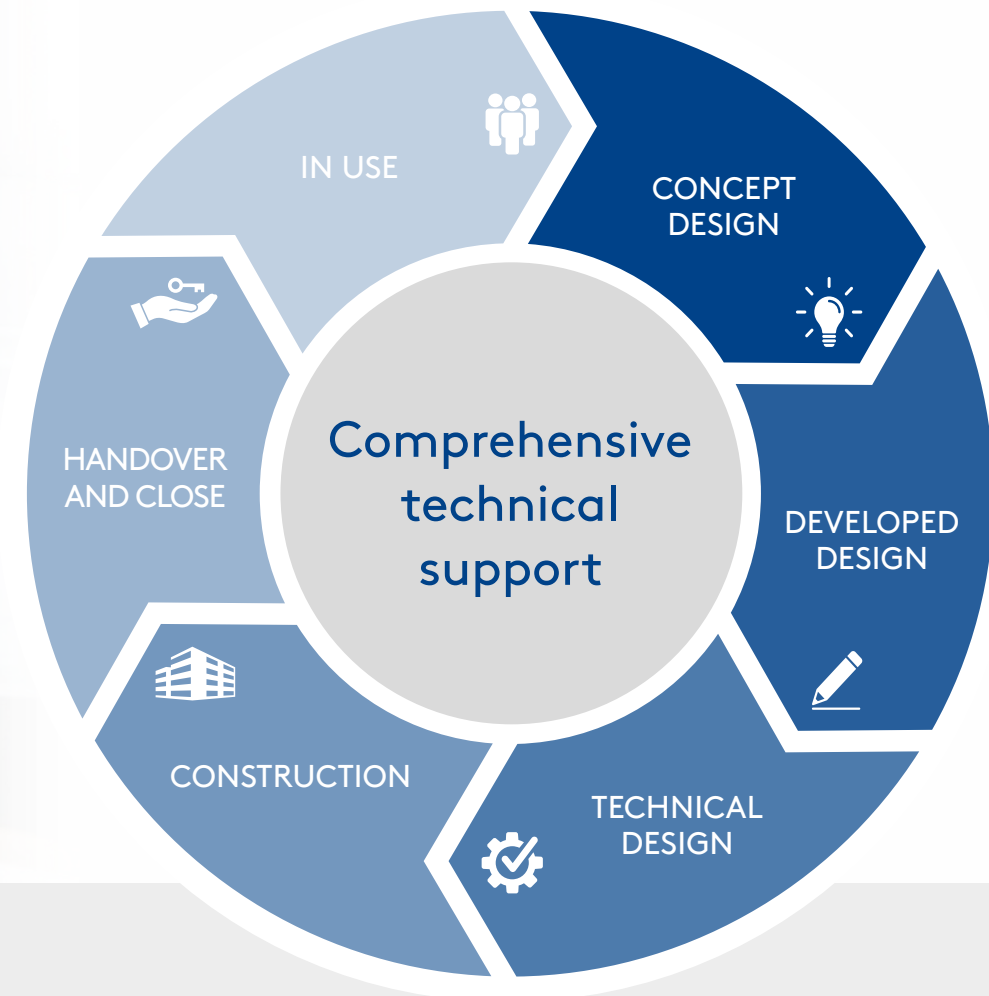
Blue Green Way Kft. headquarters

Nagytarcsa, Hungary

Product
Evolution

Technical support at every stage of the project

Technical department in Kingspan advises and supports designers, specifiers and installation contractors in the areas of building design, product application and integration, code compliance and site-work installation practices.



Technical services

We can work with you to advise and recommend wall solutions for your project from the design concept through the installation, construction and handover. We provide a fast, project specific tender bid and specification service in partnership with recommended installers and contractors.



Marketing support

Our Marketing team aims to provide a fast turnaround on standard sample and literature requests, eliminating delays with planning and client approval of material, so that your project begins on-time. Additional marketing support is provided through the use of project case studies.



Customer service

Our dedicated team provides focused customer service for all commercial pre- and post-order administration, delivery scheduling, and installer support, ensuring a seamless, coordinated customer experience. To ensure high levels of satisfaction, we regularly conduct customer surveys to gather important feedback that help us keep a pulse on the marketplace.

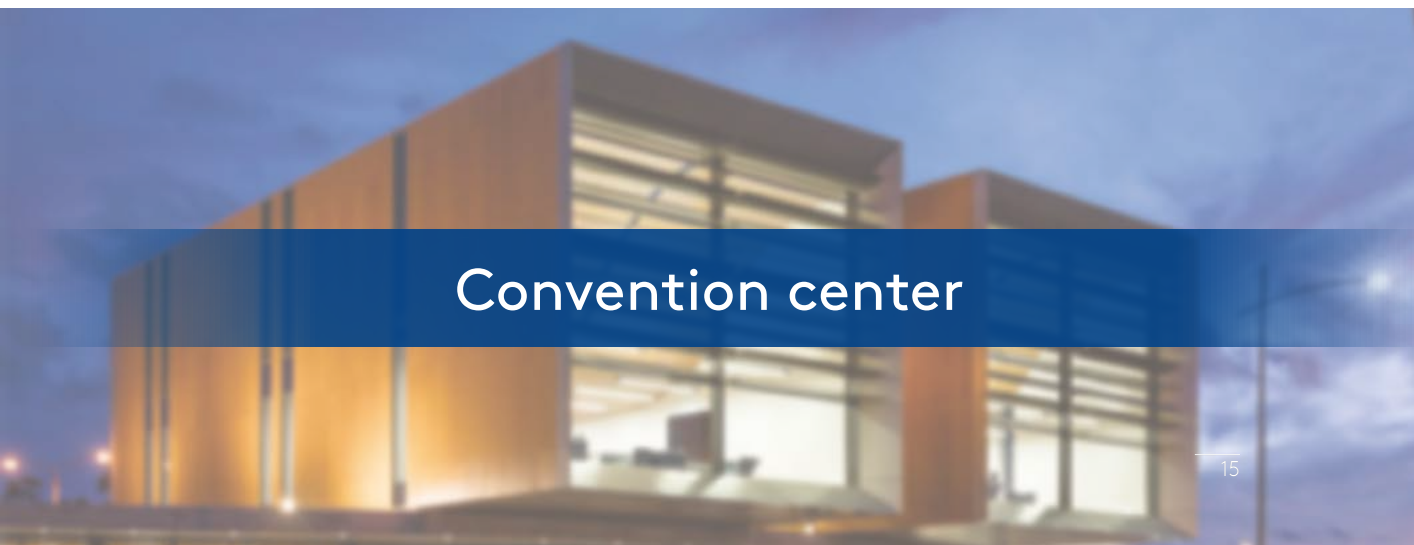
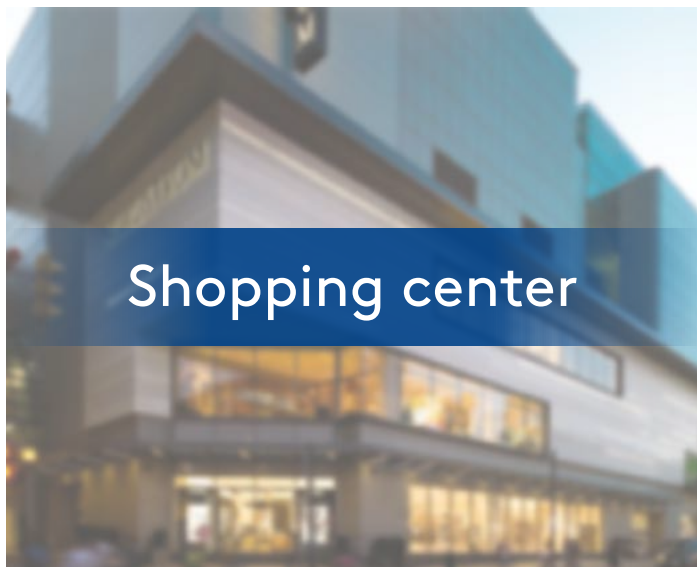


Sales team

The Kingspan sales team is available to provide advice, presentations and one-to-one service. Visit the [kingspanfacades.com](https://www.kingspanfacades.com) website.

Market segments - application of architectural facade systems

Both - Evolution and Matrix - system can be applied on variable buidling type.



Colours and finishes

For both systems Evolution and Matrix the best in class 50 micrones Spectrum coating is being used as standard finish. Spectrum is a proven, organic coating on an alloy substrate, inspired by choice, aesthetic brilliance and guaranteed natural performance. Other finishes such as PES, PVDF are available on request.



Kingspan Spectrum coating system offer significant advantages over those provided by any other coatings on the market:

Excellent corrosion resistance

Spectrum coating is best in class for corrosion resistance. It uses innovative metal alloy substrates, which provide maximum resistance to corrosion on scratches and on cut edges.

Advanced colour stability and UV resistance

Due to state-of-the-art technology with improved UV resistance, Spectrum provides better gloss retention and weather resistance.

Environmentally safe

Designed in accordance with Kingspan’s sustainable development policy, Spectrum coating is phthalate-free, contain no heavy metals and is fully recyclable. Phthalate-free chemistry contributes to maintaining a safe and healthy environment.

Maintenance-free, saving time, trouble and cost

Spectrum does not require any special maintenance regime and it’s performance will not deteriorate during their lifetime.

Meeting individual needs

Spectrum offers a choice of specifications to meet the needs of every application. Whatever the technical, environmental or budget requirements, Kingspan Spectrum coating is the ultimate solution.

Technical Specification: Spectrum coating vs polyester coating.

Properties		Spectrum	Polyester
Applications		External use in severe environments	Basic coating for standard outdoor applications
Description	Thickness	45-55 µm	25 µm
	Composition on front	20-30 µm Base Coat + 20-30 µm Top Coat	5 µm Base Coat + 20 µm Top Coat
	Composition on back	up to 12 µm Base Coat (2 layers)	7 µm Backing Coat
	Gloss (Gardner 60°)	30-40 GU	30 GU
	Appearance	structured	smooth
	Temporary protection	no need	self adhesive film
Robustness	Adhesion of the coating (T-bend)	≤ 1 T	≤ 2 T
	Resistance to cracking on bending (T-bend)	≤ 2 T	≤ 3 T
	Surface “pencil” hardness	F-H	HB to H
	Clemen scratch resistance	≥ 3 kg	≥ 2 kg
	Corrosion resistance - Salt spray test	1400 hours by CSN-EN-ISO 9227	360 h
Durability	Corrosion resistance category	RC5	RC3
	Humidity resistance	1000 h	1000 h
	UV resistance - UVA + H2O test (2000h)	ΔE ≤ 2, GR ≤ 80%	ΔE ≤ 5, GR ≥ 30%
	UV resistance category	RUV 4	RUV 2
	Resistance to various substances	very good	good
	Guarantee	25 years*	max 5 years

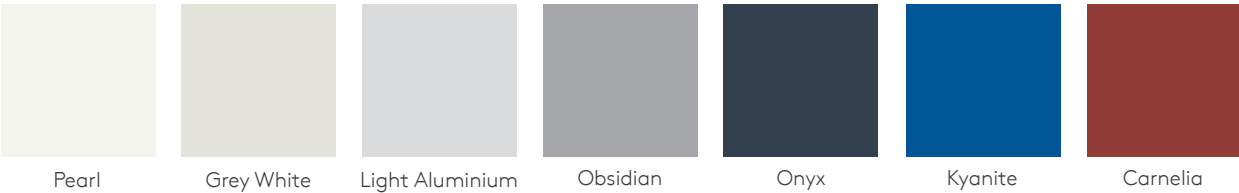
* Warranty terms and conditions are tailored to each individual project.

Evolution and Matrix facade systems are offered in wide range of colour finishes based on RAL system, as well as Kingspan custom colour ranges.

Custom Spectrum Colours

A range of custom Spectrum colours are available on exterior of all Evolution and Matrix panels and accessories.

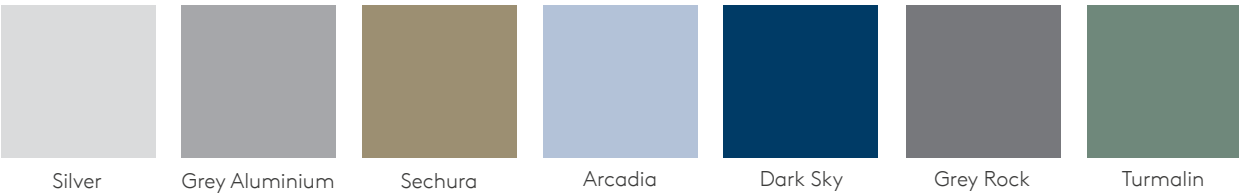
Colour examples:



Custom Spectrum Metallic Colours

Matrix and Evolution systems are also available in a range of premium metallic shades.

Colour examples:



*The printed colours are as accurate as possible and are for guidance purposes only. Please contact Kingspan for details.

Evolution:

Introduction
to the system



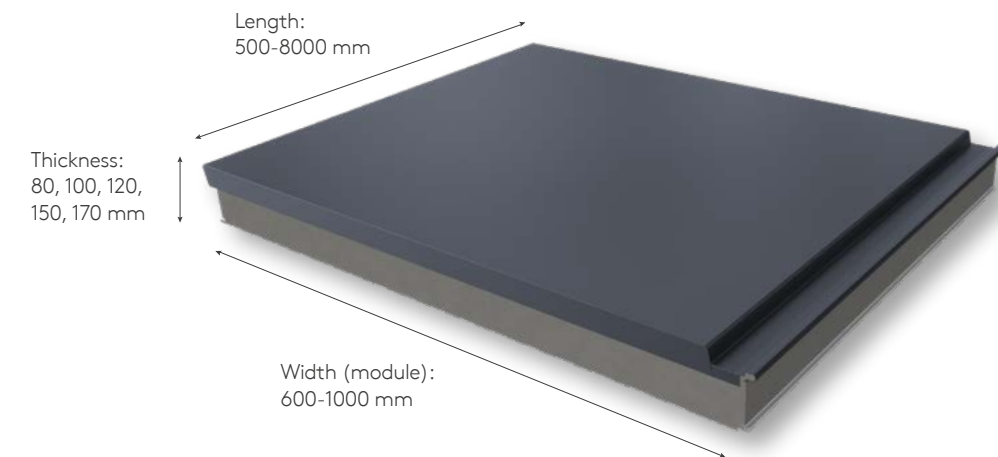
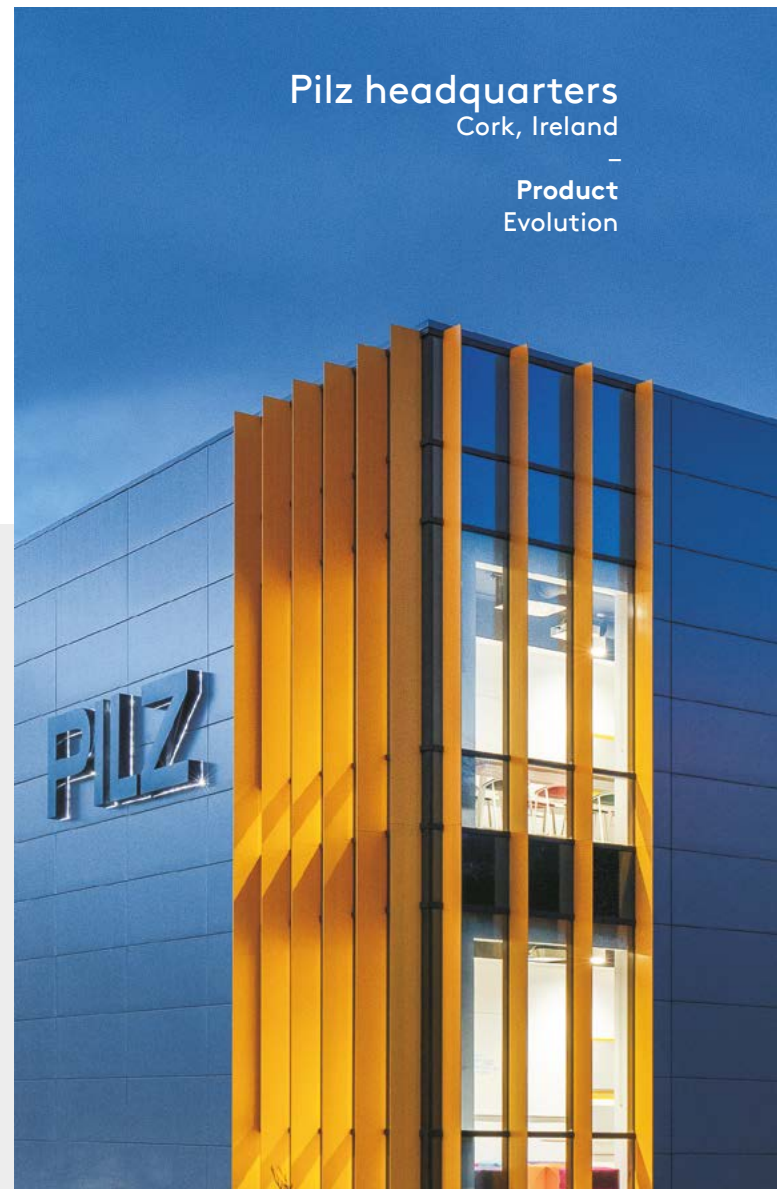
Evolution: Introduction

All components of external envelope contained into a simple, modular, prefabricated panel with QuadCore® and IPN insulation core.

The perfect solution for a minimalist facade effect, our perfectly flat insulated wall system comes in a wide range of colours. Evolution is a super smooth facade system that can be laid vertically or horizontally and can integrate easily with other envelope solutions.

System highlights:

- High performance, custom made facade solution that can be tailored to even the most demanding projects.
- Great panel flatness, wide choice of colour and design options.
- Excellent thermal performance no thermal bridges.
- Installs at least twice as fast compared to other conventional facade systems.
- It will help you save space, time and money.



With the development of the Evolution range, architectural facade systems from Kingspan offers the aesthetics and architectural detailing required by the market but without the complexity of built-up systems. As part of the Kingspan product range, this stylish single component system has a unique range of design features that allow maximum design flexibility in the creation of a truly bespoke system.

Panel dimensions:

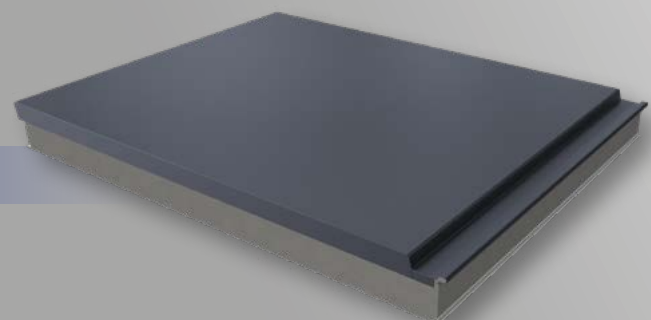
- Width: 600 - 1000 mm (in 50 mm increments)
- Length: 0,5 - 8,0 m
- Insulation core thickness: 80 mm, 100 mm, 120 mm, 150 mm and 170 mm



Insulation options

Evolution panels are available in three insulation options:

1. QuadCore®



Innovation is at the core

Kingspan's invention of QuadCore® Technology is a leap forward in performance, helping to create future-proof buildings.

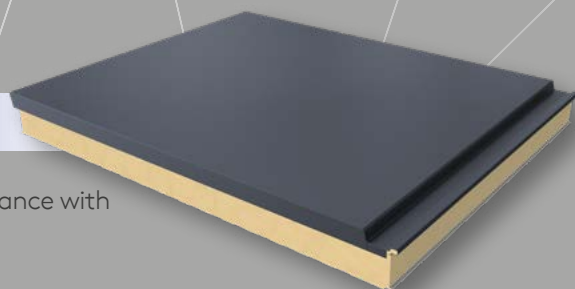
QuadCore® Technology is Kingspan's next generation self-blended hybrid insulation core with a unique formulation that creates distinctive grey microcells that deliver excellent:

- Thermal efficiency
- Fire performance
- Environmental credentials
- Assured warranty

POWERED BY
QuadCore®
TECHNOLOGY

2. IPN

The IPN insulation core offers excellent thermal performance with tested U-values.



Each Evolution panel offers a superior performance and thermal efficiency over the years.



High Thermal Performance

With a lambda value of 0.019 W/mk, QuadCore® offers high thermal performance. It is almost twice as thermally efficient as mineral fibre insulation. The thermal efficiency of QuadCore® insulation technology can result in thinner and lighter panels for easier installation.



Environmental Performance

QuadCore® is free from CFC, HCFC, HFC and Halogenated Fire Retardants.

QuadCore® Technology is independently certified to the highest levels for low VOC emissions, ensuring that it is not harmful to building occupants and does not adversely impact indoor environment quality (IEQ).

QuadCore® insulated panels are certified with an Environmental Product Declaration (EPD) according to EN 15804+A2:2020, which brings together quantifiable environmental performance data.

Its material efficiency and ease of disassembly can contribute towards credits in green building rating systems such as LEED and BREEAM.



Tested Fire Performance

QuadCore® insulated panels offer B-s1,d0 reaction to fire class and a range of panels have been subjected to rigorous large-scale tests for fire resistance.

Additionally, a selection of QuadCore® panels are insurer approved to FM standards. Certain QuadCore® insulated panel systems have also achieved FM 4882 for smoke-sensitive occupancies.



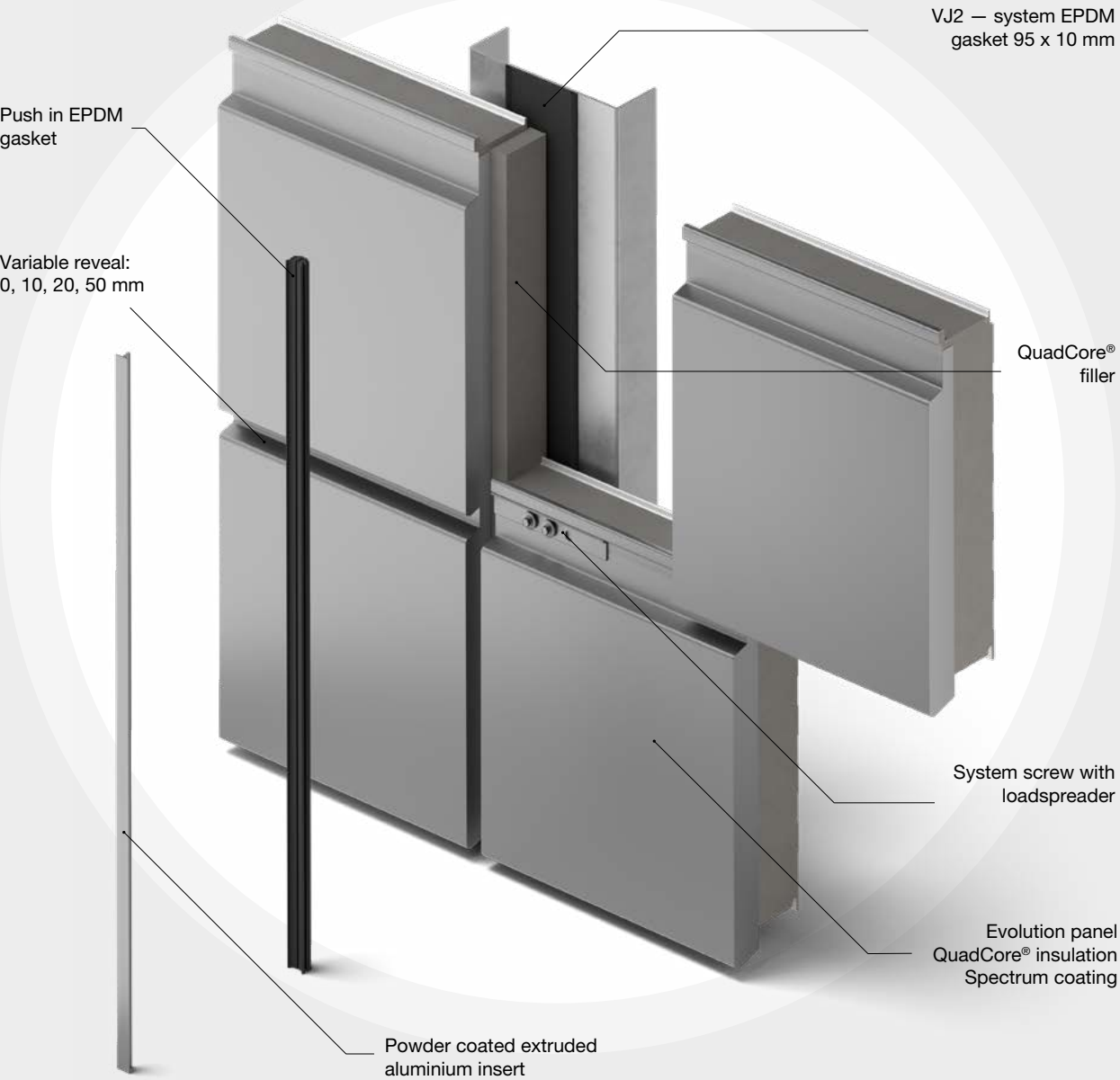
Protected by Kingspan QuadCore® Assured

Complete QuadCore® roof, wall or façade systems - where Kingspan has supplied the panel and all system components - have the added reassurance of a single source system guarantee from Kingspan.

QuadCore® Assured is our robust warranty, underpinned by third party independently tested products and externally audited processes to ensure on-going compliance, which along with internal management systems, enables product traceability.

Evolution: System composition

Evolution is the next generation facade system that combines excellent aesthetics, clean future proof form, function and technical performance. The ultimate prefabricated custom made modular system.



Corners, flashings and details

Modular facade systems

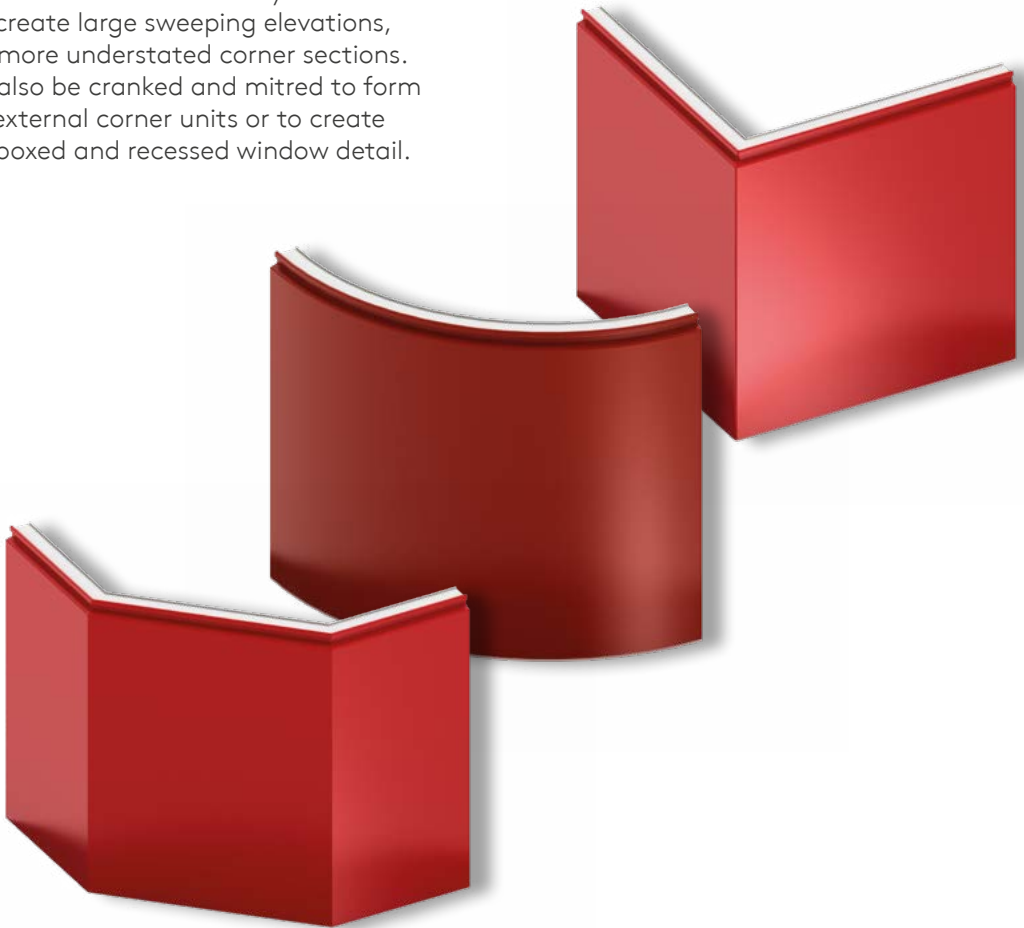
Curves and corners

At Kingspan, we provide a range of corners in various shapes to match the design of the building. We can manufacture all complementary corners for all Evolution and Matrix projects.

Panels can be also curved vertically and horizontally to create large sweeping elevations, or used for more understated corner sections. Panels can also be cranked and mitred to form internal or external corner units or to create depth to a boxed and recessed window detail.

Flashings and fabrications

We can manufacture complementary flashing, gutters and accessories for all projects.



Horizontal joint options

Horizontal joints are available in a range of widths from 0 mm to 50 mm to better reflect individual character of a facade.



Evolution: Types of joints and installation options

Vertical joint options



Q2A
(20 mm horizontal joint)



Q2A
(0 mm horizontal joint)



Q2

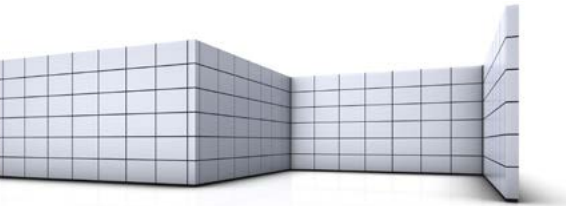


Inline Black

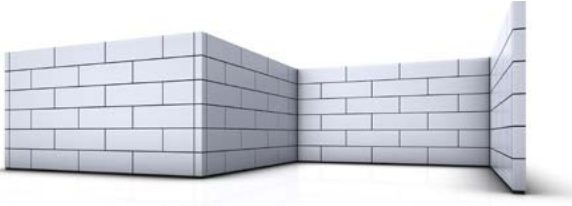


Inline Silver

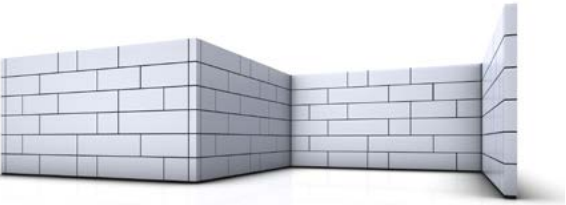
Installation options



1. Horizontal installation



2. Offset horizontal installation



3. Horizontal asymmetrical installation



4. Vertical installation



5. Vertical asymmetrical installation



6. Vertical installation with a horizontal joint

Evolution IPN – technical data:

Panel thickness (mm)	80	100	120	150	170
Panel length (mm)	500 - 8000	500 - 8000	500 - 8000	500 - 8000	500 - 8000
Panel width (mm)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)
Steel thickness (mm) (external/internal)	0,70/0,50	0,70/0,50	0,70/0,50	0,70/0,50	0,70/0,50
Panel weight (kg/m²)*	13,48	14,22	14,96	15,92	16,64
Packaging - number of panels in a bundle	13	11	9	7	6
Thermal transmittance (U-value) (W/m²K) - EN 14509 compliant*	0,28	0,23	0,19	0,15	0,13
Fire safety classification - EN13501-1 compliant	B-s2, d0	B-s2, d0	B-s2, d0	B-s2, d0	B-s2, d0
Fire Resistance	Detailed information on fire resistances can be obtained from our Sales department				
Application	External walls, internal walls, ceilings				

*For panel width of 1000 mm.

Evolution QuadCore® – technical data:

Panel thickness (mm)	80	100	120	150	170
Panel length (mm)	500 - 8000	500 - 8000	500 - 8000	500 - 8000	500 - 8000
Panel width (mm)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)	600 - 1000 (in 50 mm increments)
Steel thickness (mm) (external/internal)	0,70/0,50	0,70/0,50	0,70/0,50	0,70/0,50	0,70/0,50
Panel weight (kg/m²)*	13,48	14,22	14,96	15,92	16,64
Packaging - number of panels in a bundle	13	11	9	7	6
Thermal transmittance (U-value) (W/m²K) - EN 14509 compliant*	0,25	0,20	0,16	0,13	0,11
Fire safety classification - EN13501-1 compliant	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0	B-s1, d0
Fire Resistance	Detailed information on fire resistances can be obtained from our Sales department				
Application	External walls, internal walls, ceilings				

*For panel width of 1000 mm.

Evolution: Architectural details

Curtain wall - head detail
Vertical section

Parapet detail
Vertical section

Vertical joint (Q2A) detail
Horizontal section

External corner detail
Horizontal section

Curtain wall - jamb detail
Horizontal section

Drip detail
Vertical section

Formika printing house

Brwinów, Poland

Product
Evolution

We offer a wide range of
architectural details

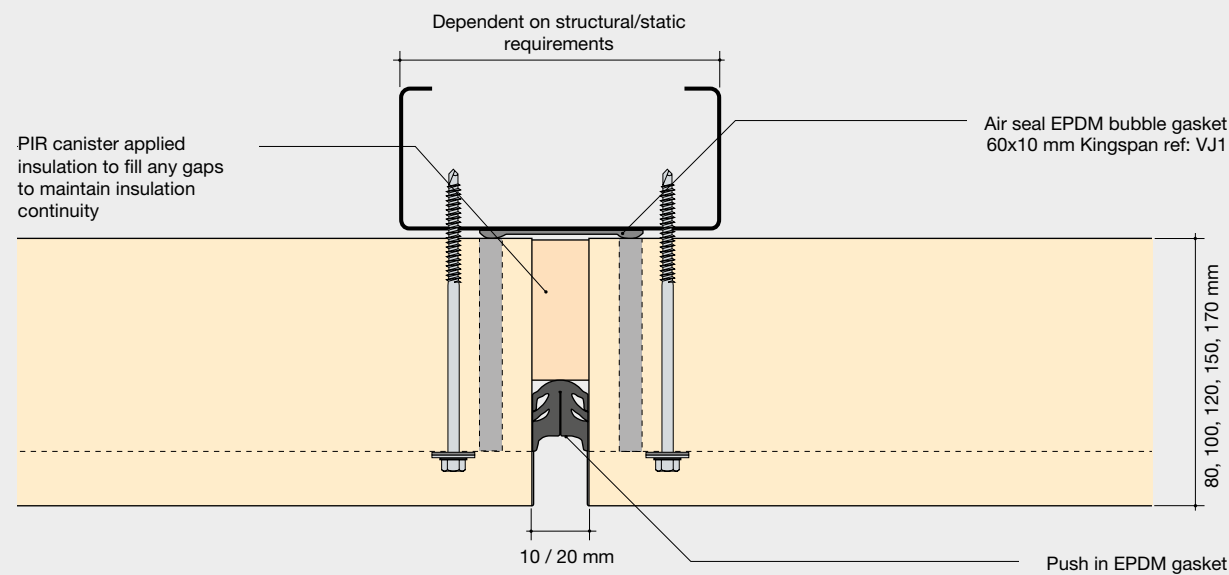
For more information please contact our Technical department

Evolution

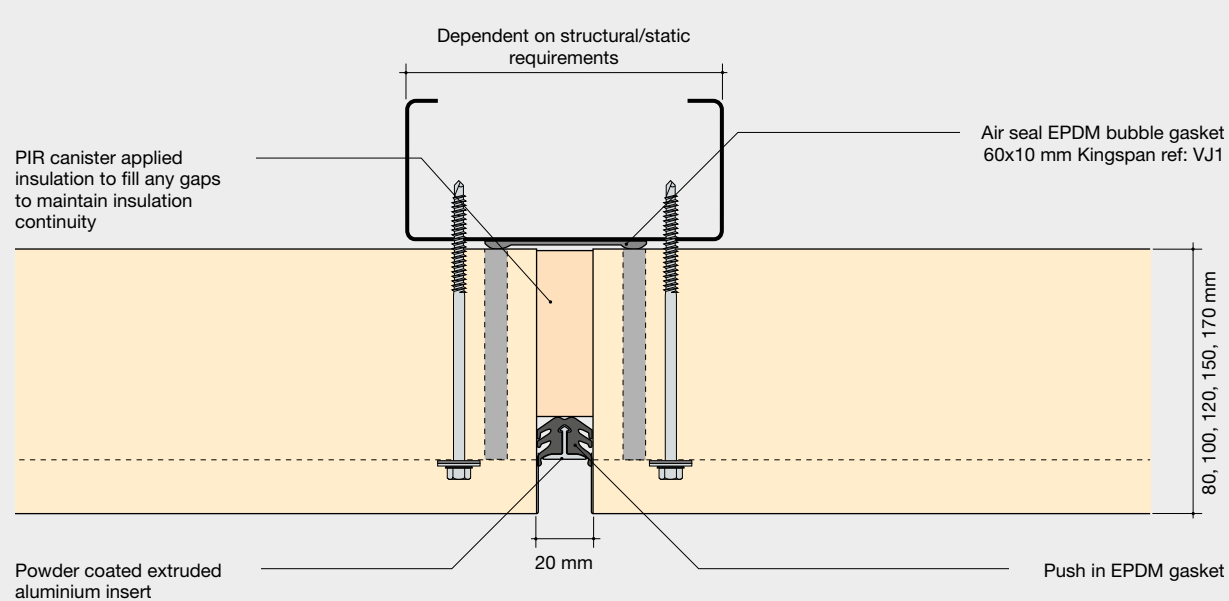
Vertical Joint Detail – Q2
Horizontal application



Vertical Joint Detail – Q2A
Horizontal application



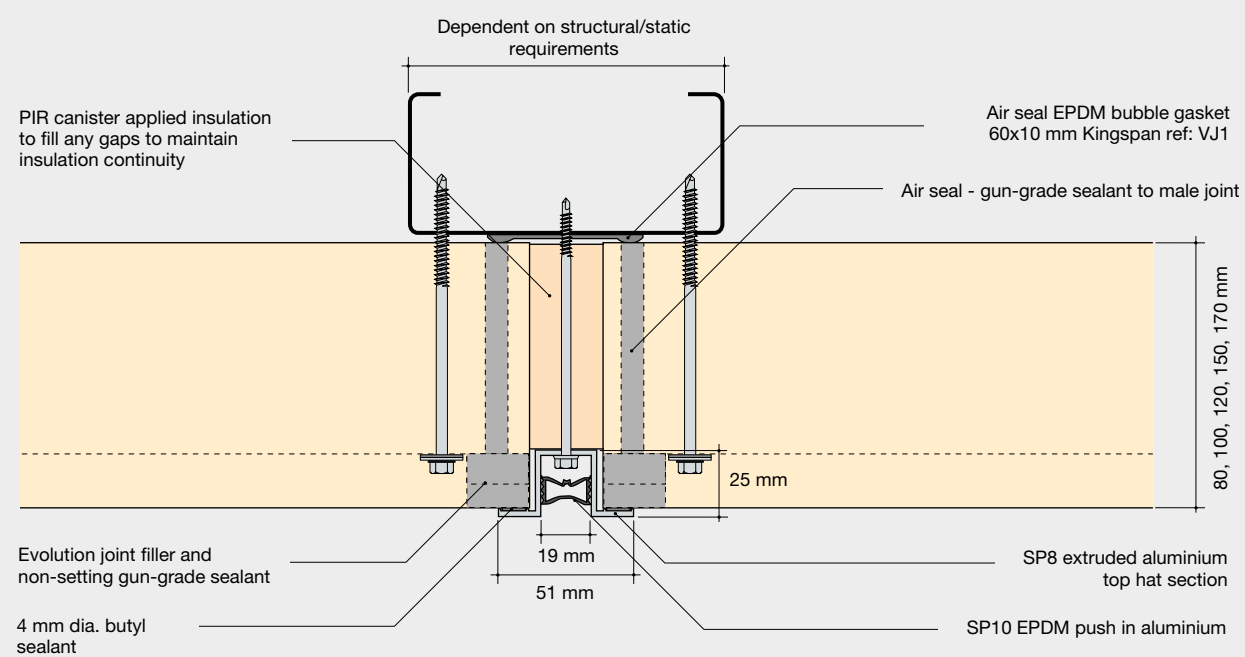
All technical information is subject to alterations. Errors and omissions excepted.



All technical information is subject to alterations. Errors and omissions excepted.

Vertical Joint Detail — Inline Black

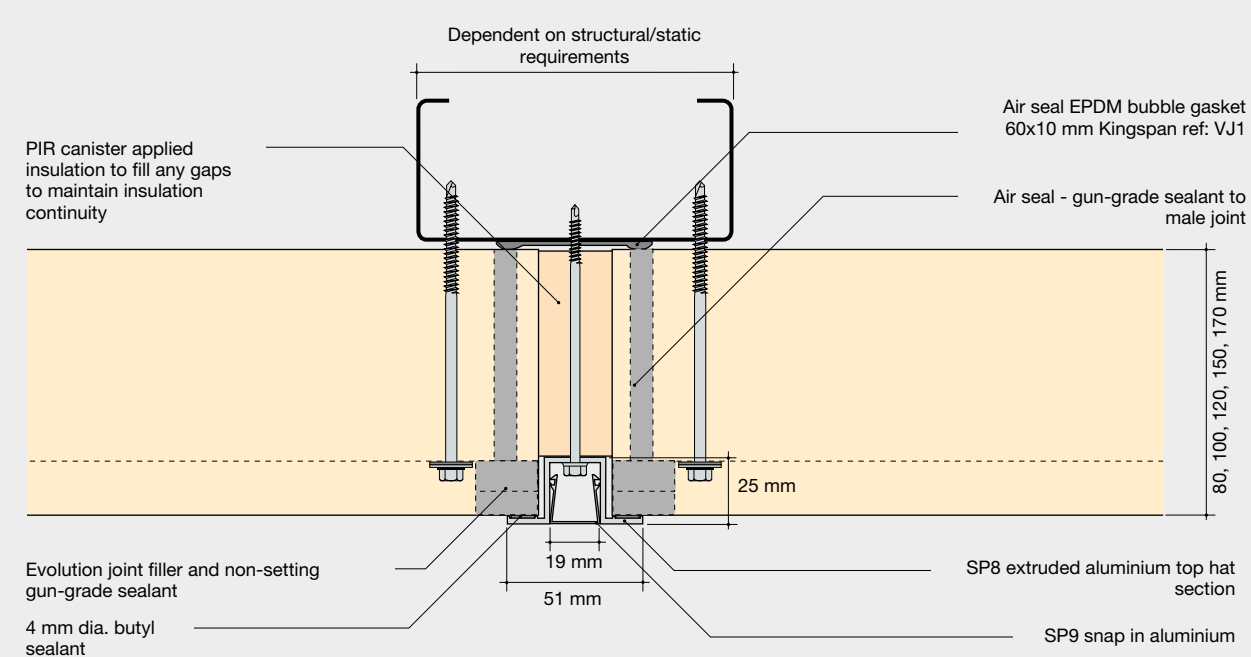
Horizontal application



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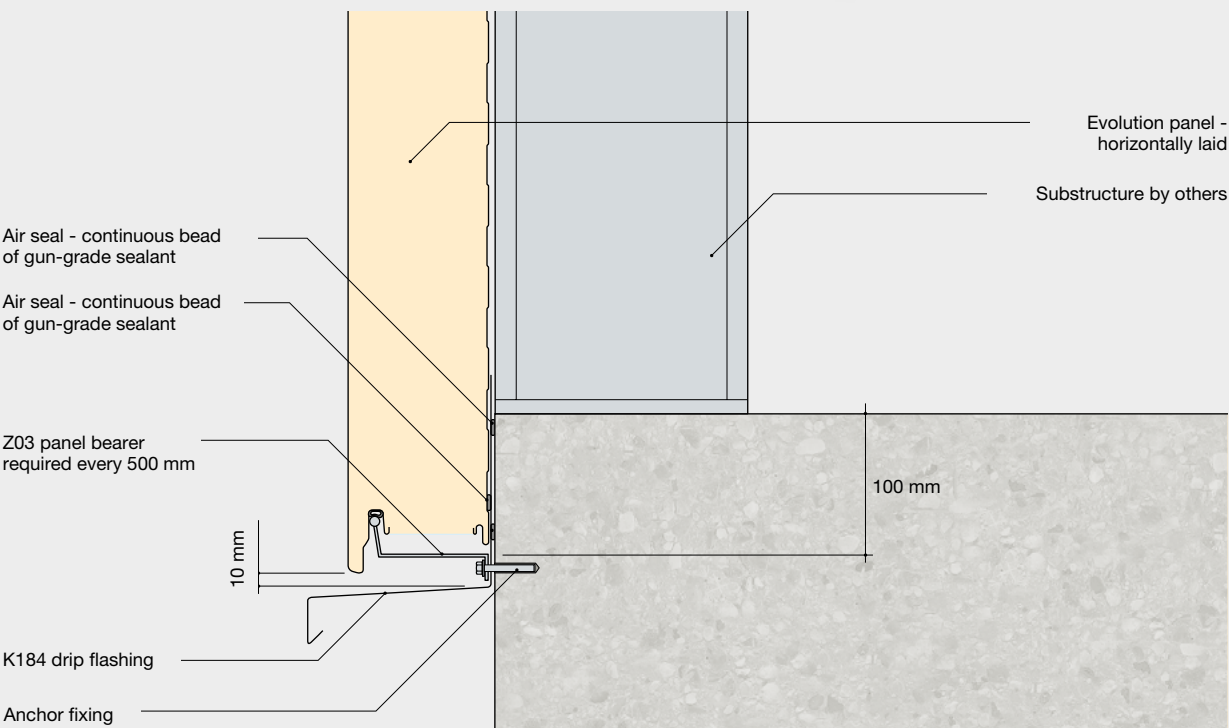
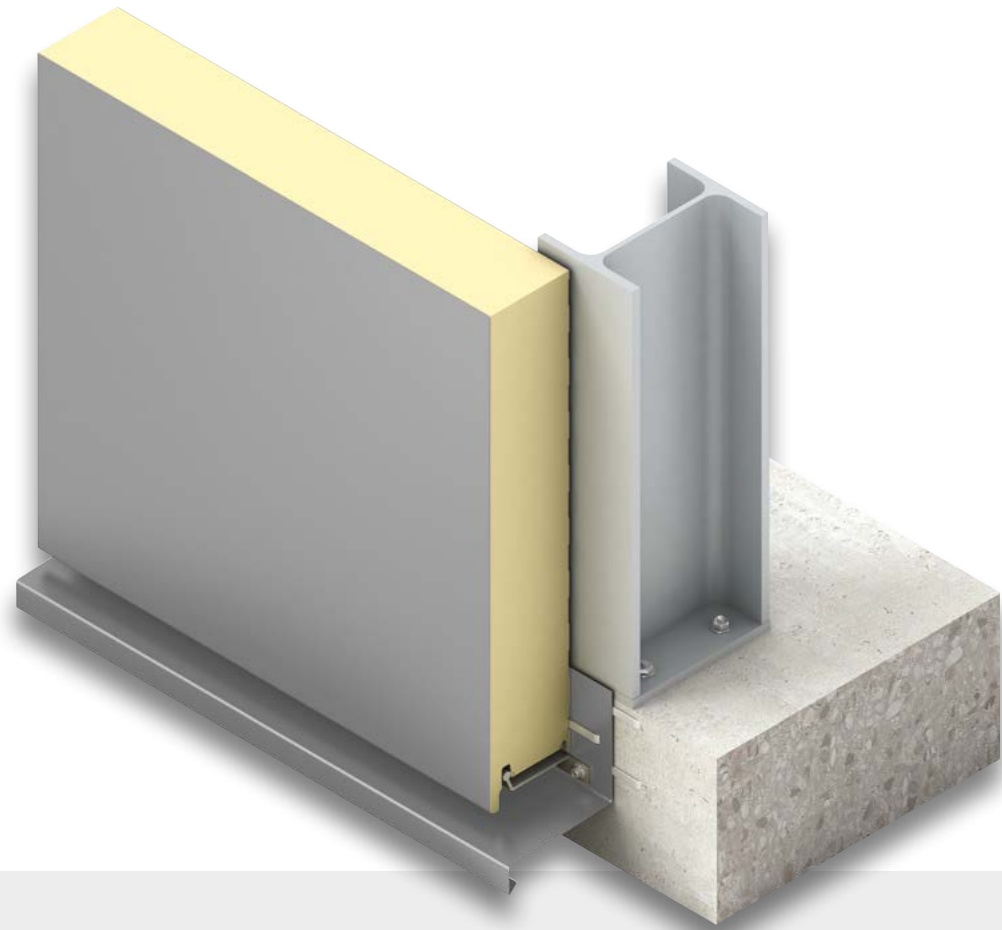
Vertical Joint Detail — Inline Silver

Horizontal application



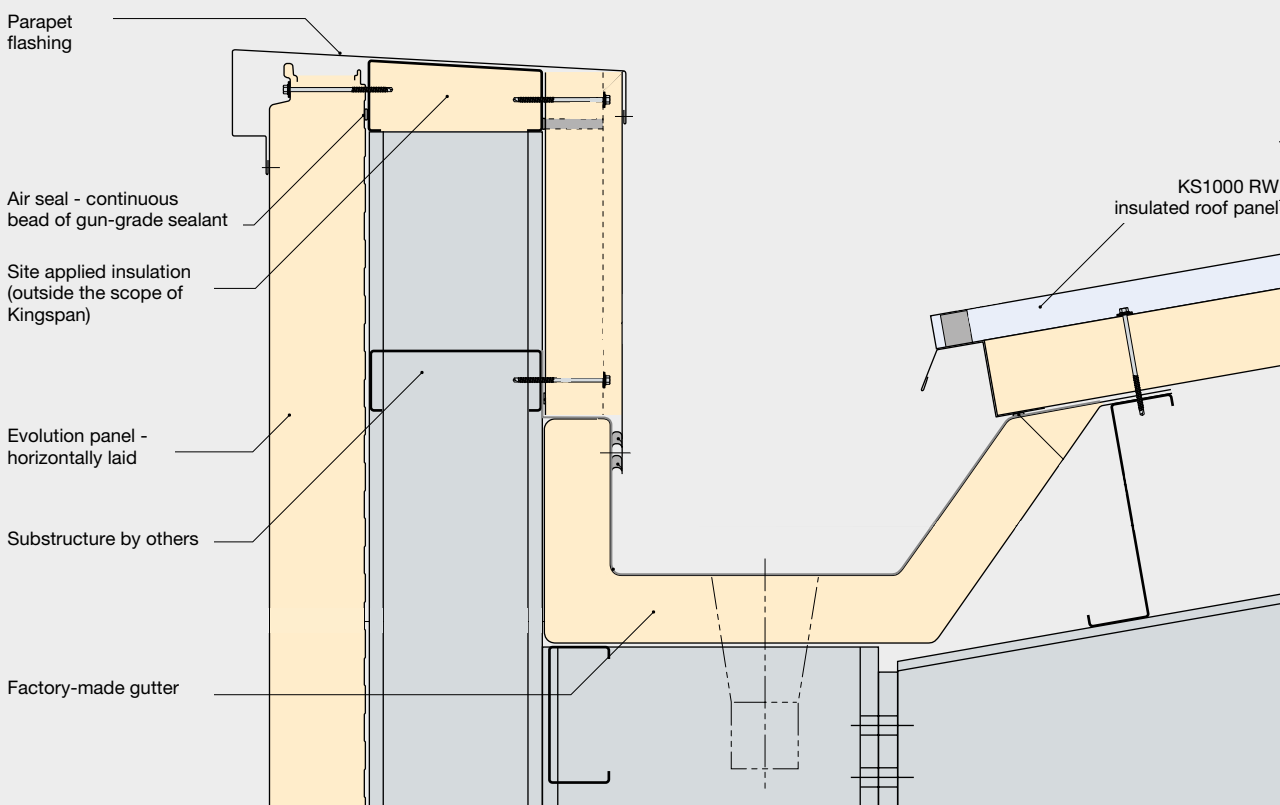
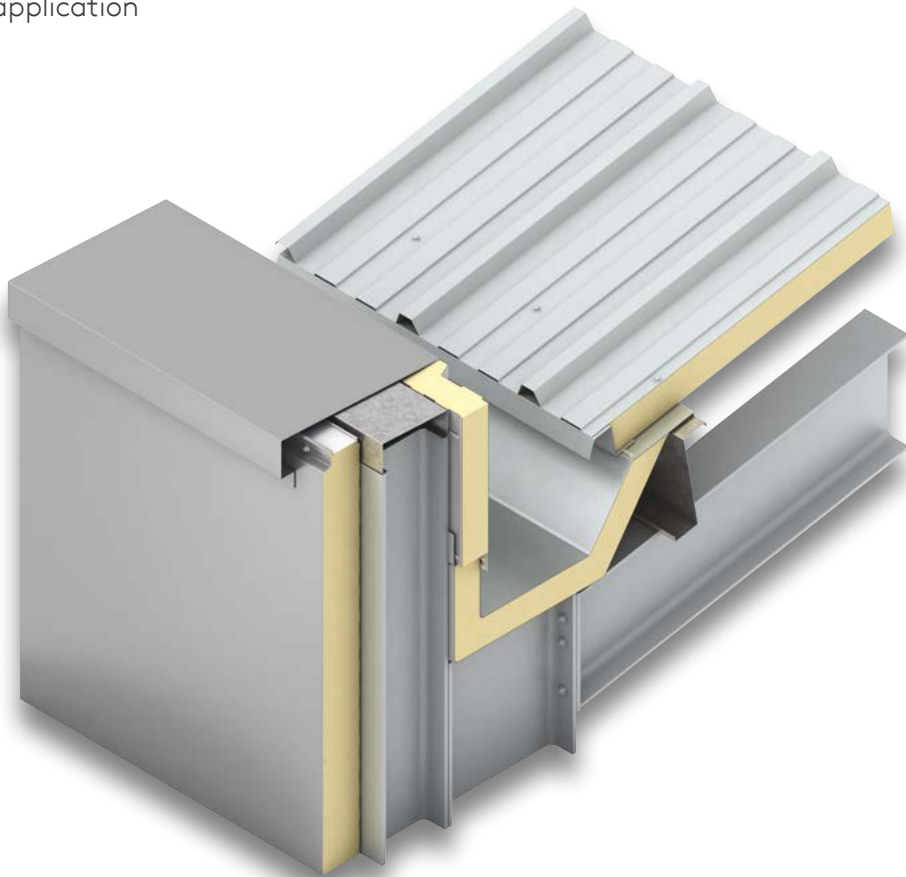
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Drip Detail
Horizontal application



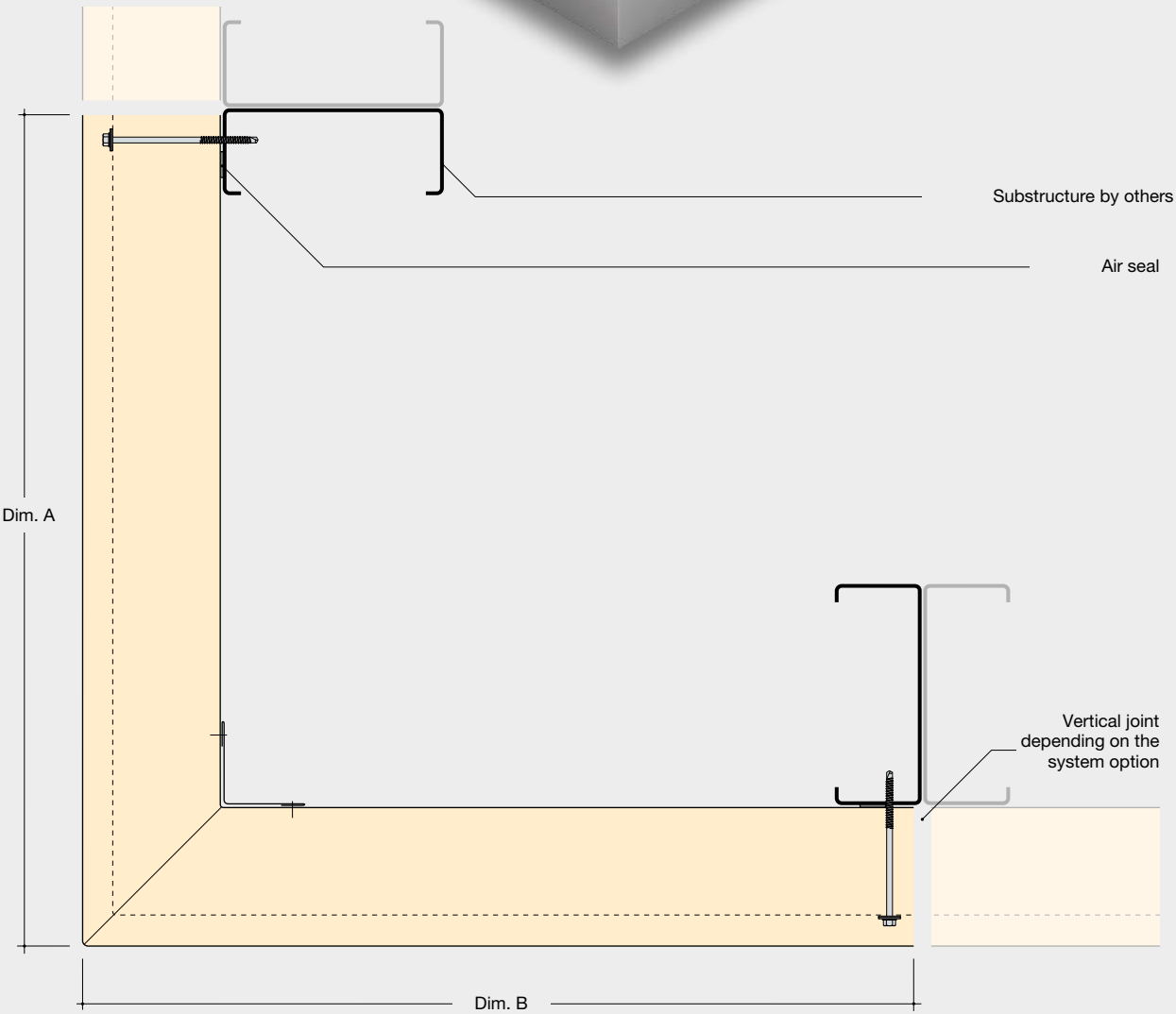
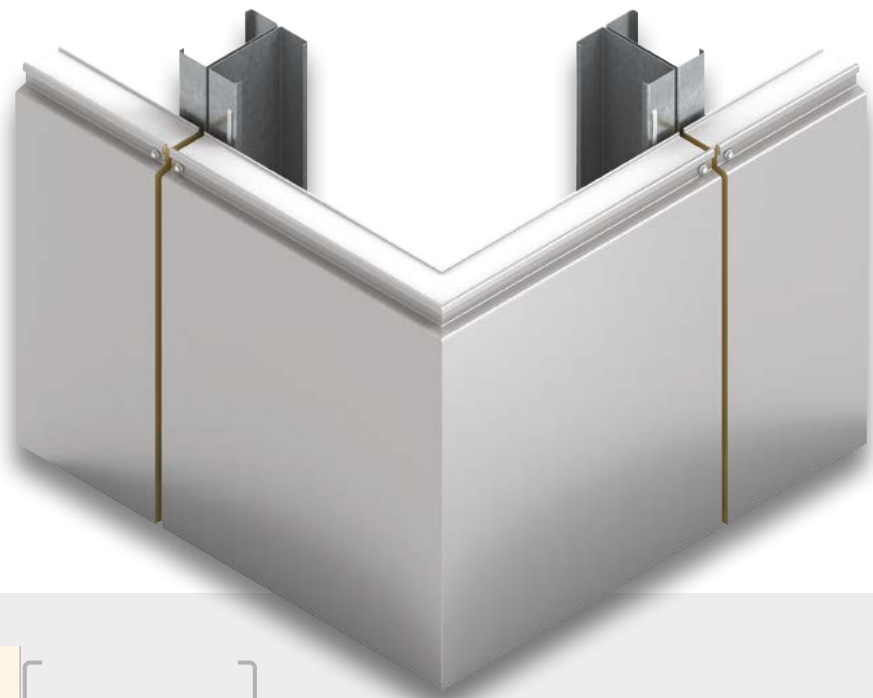
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Parapet Detail
Horizontal application



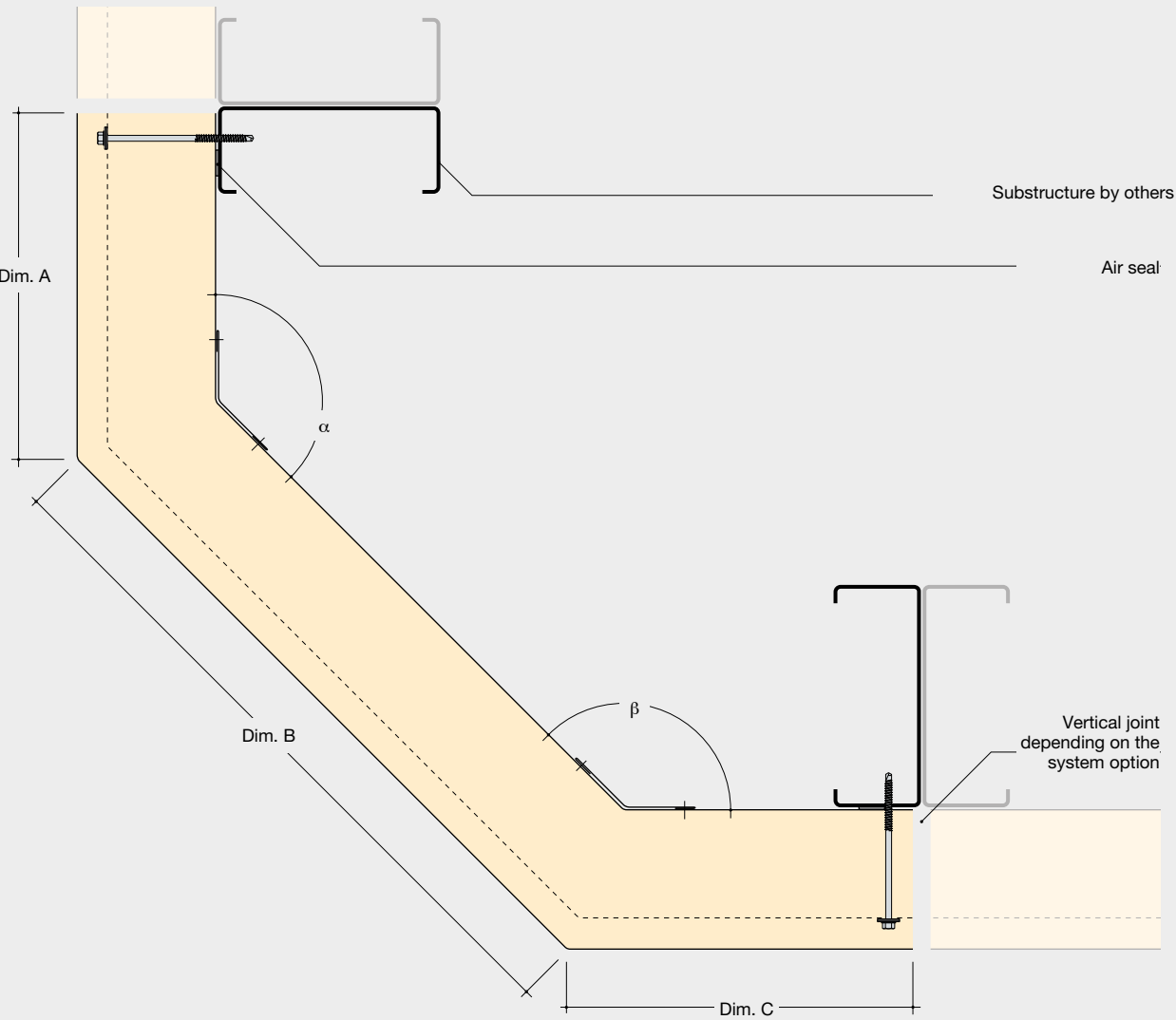
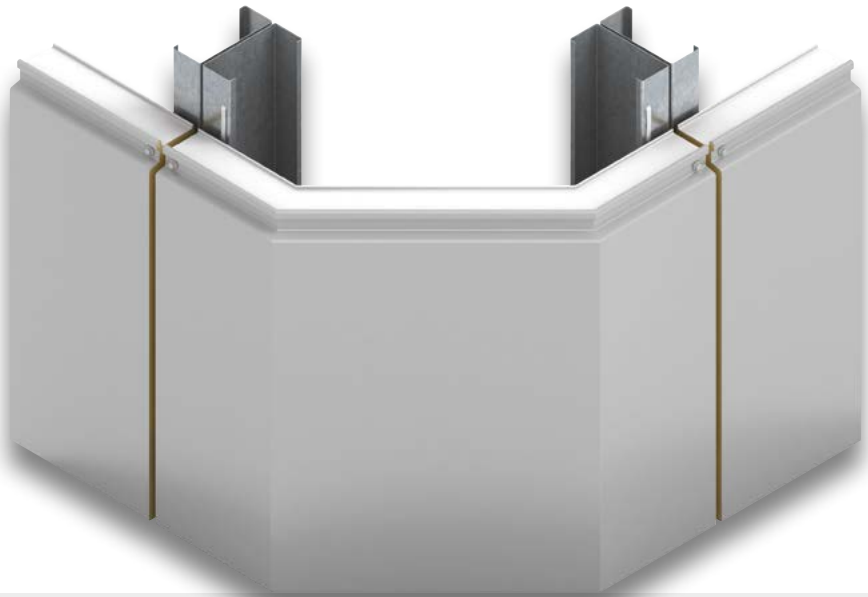
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External Corner Detail
Horizontal application



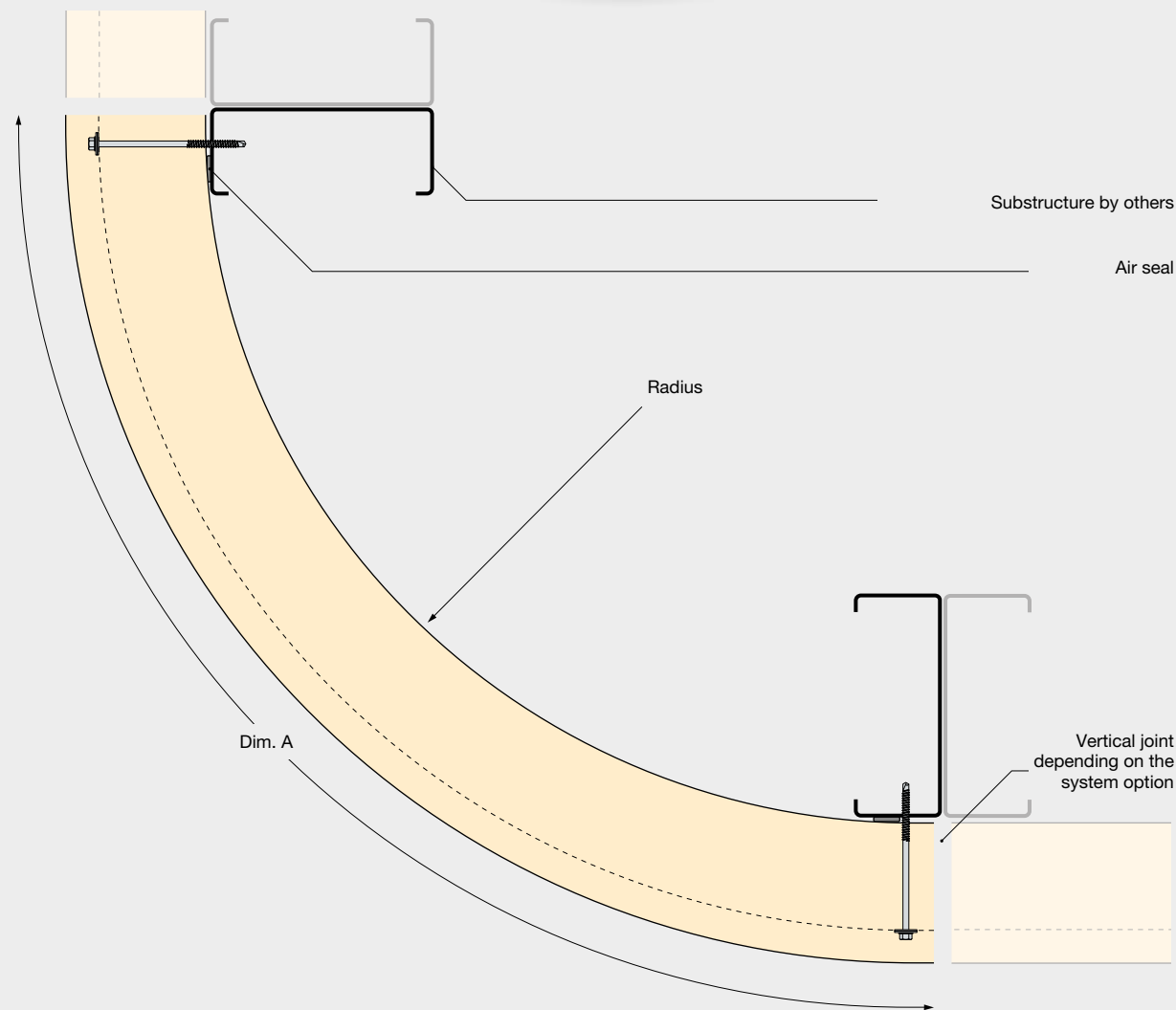
All technical information is subject to alterations. Errors and omissions excepted.

Chamfered Corner Detail
Horizontal application



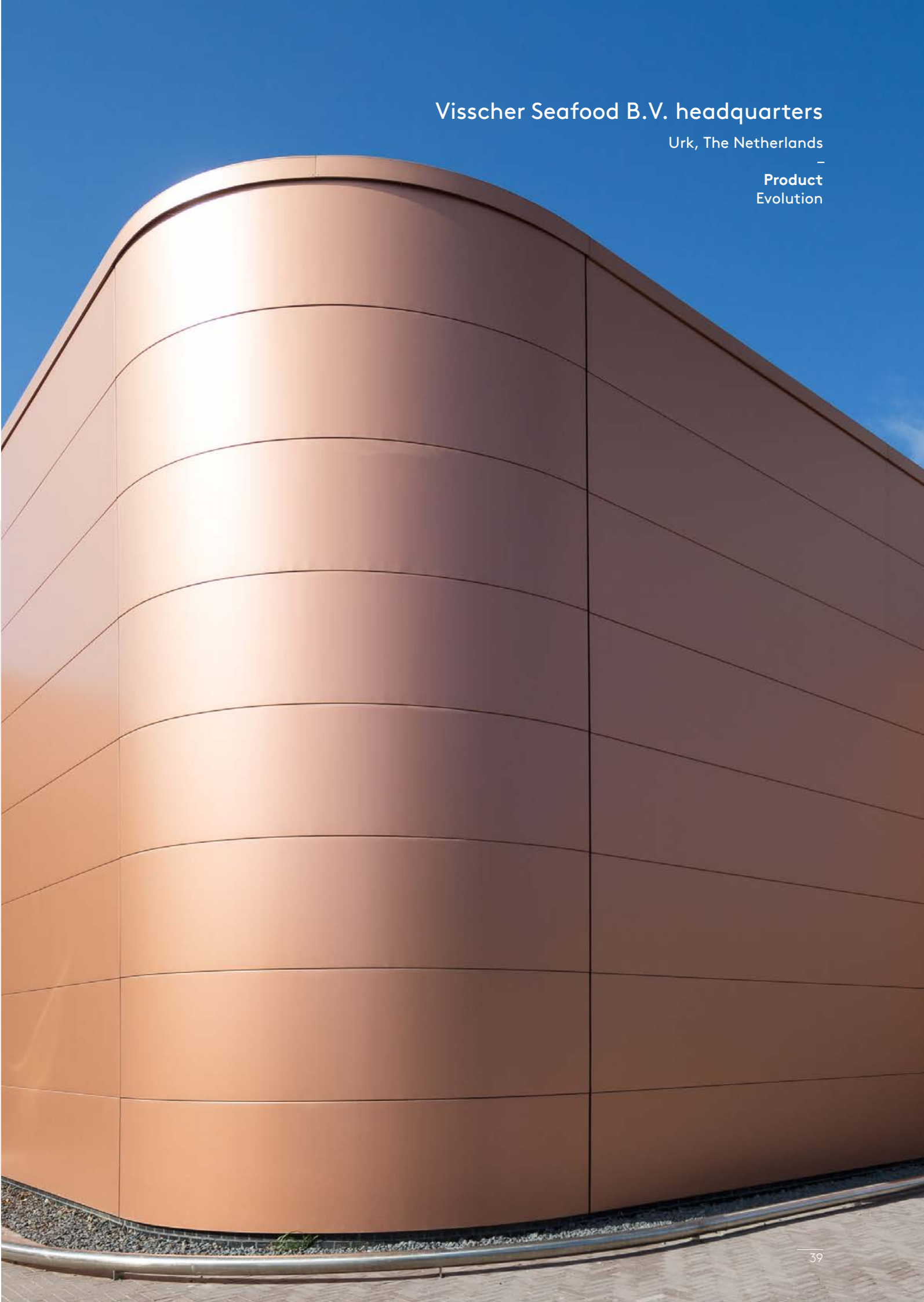
All technical information is subject to alterations. Errors and omissions excepted.

Curved Corner Detail
Horizontal application

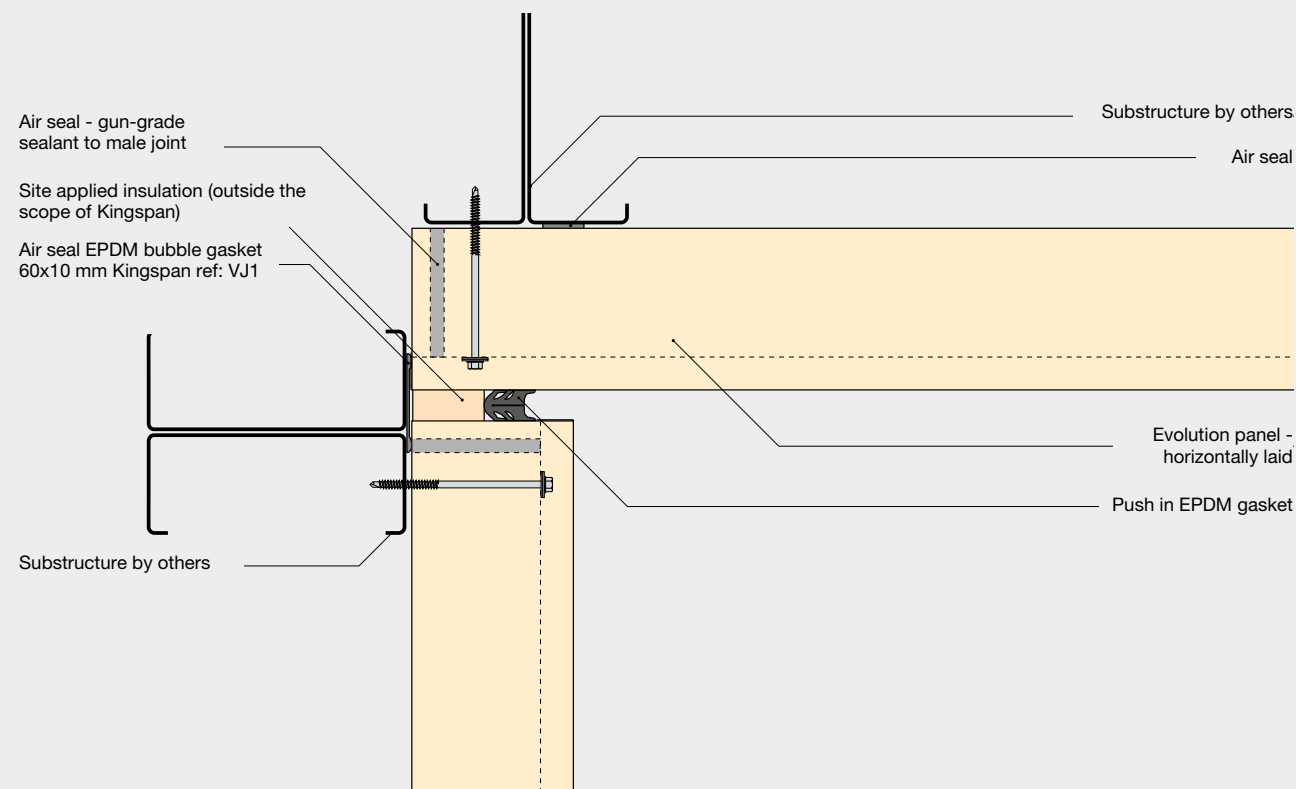
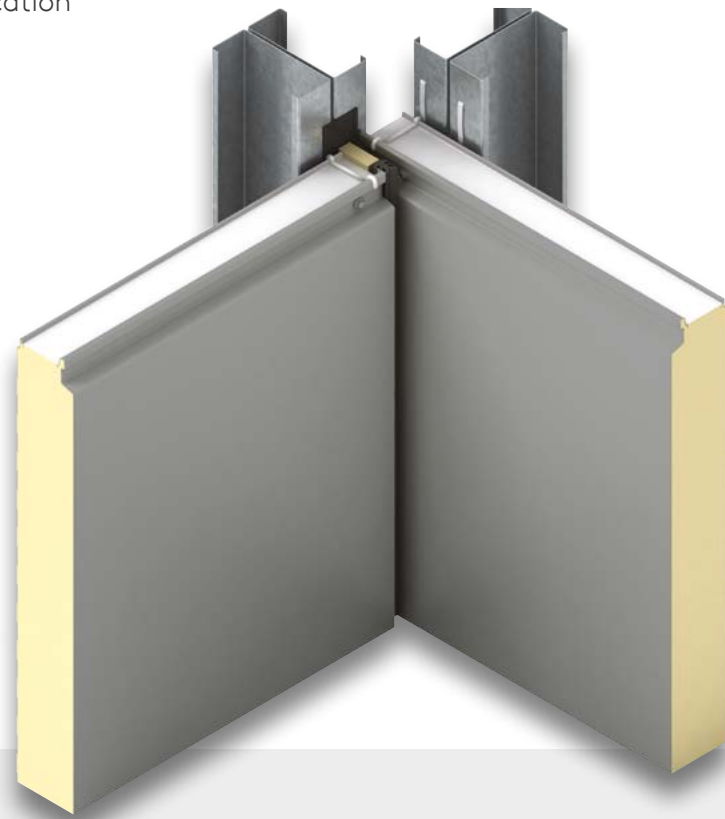


All technical information is subject to alterations. Errors and omissions excepted.

Visscher Seafood B.V. headquarters
Urk, The Netherlands
Product Evolution

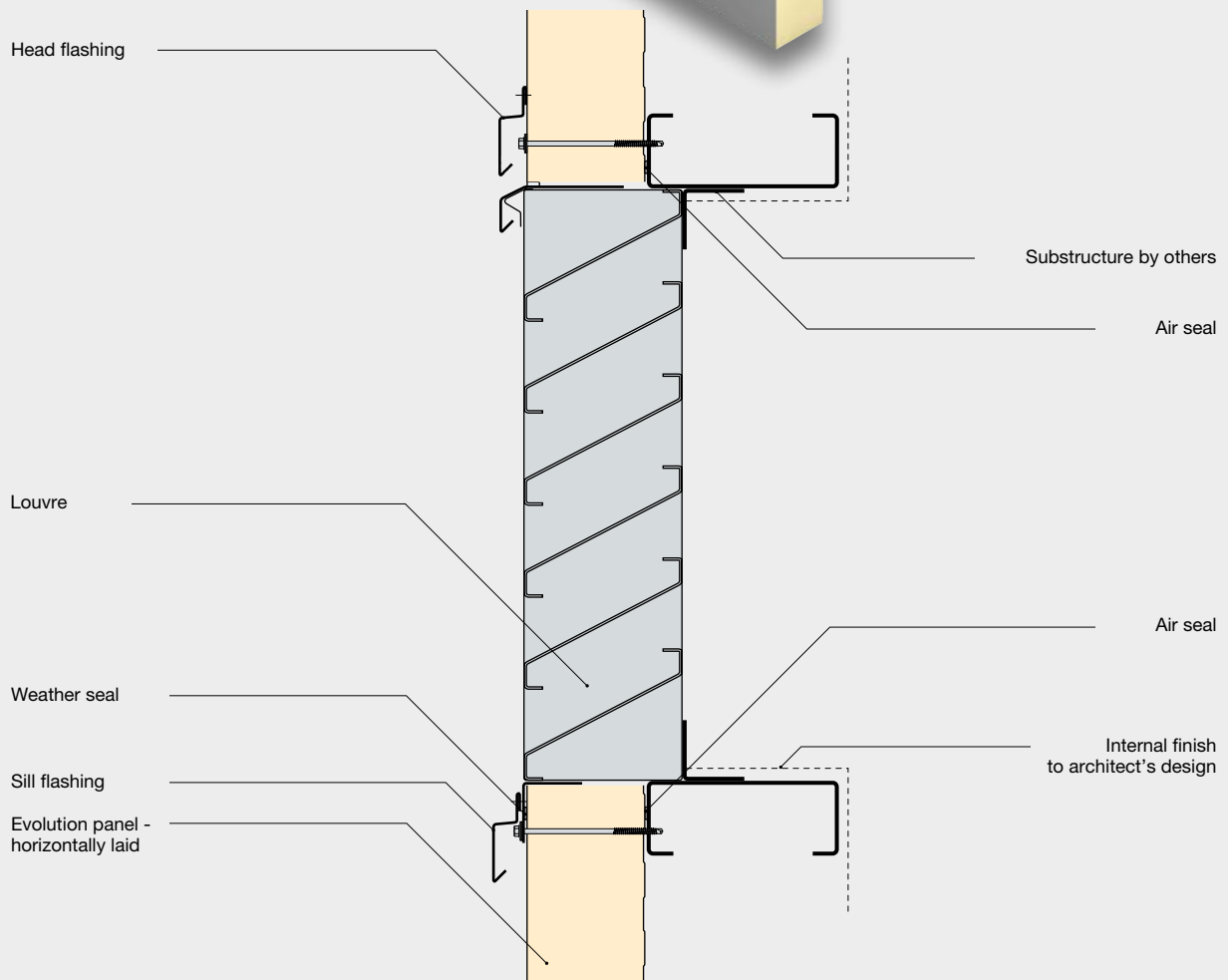
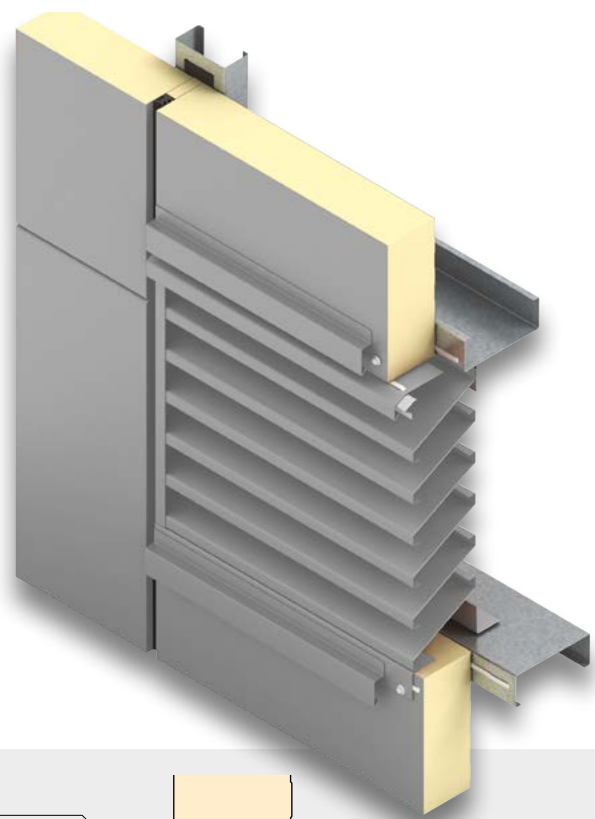


Internal Corner Detail — Q2
Horizontal application



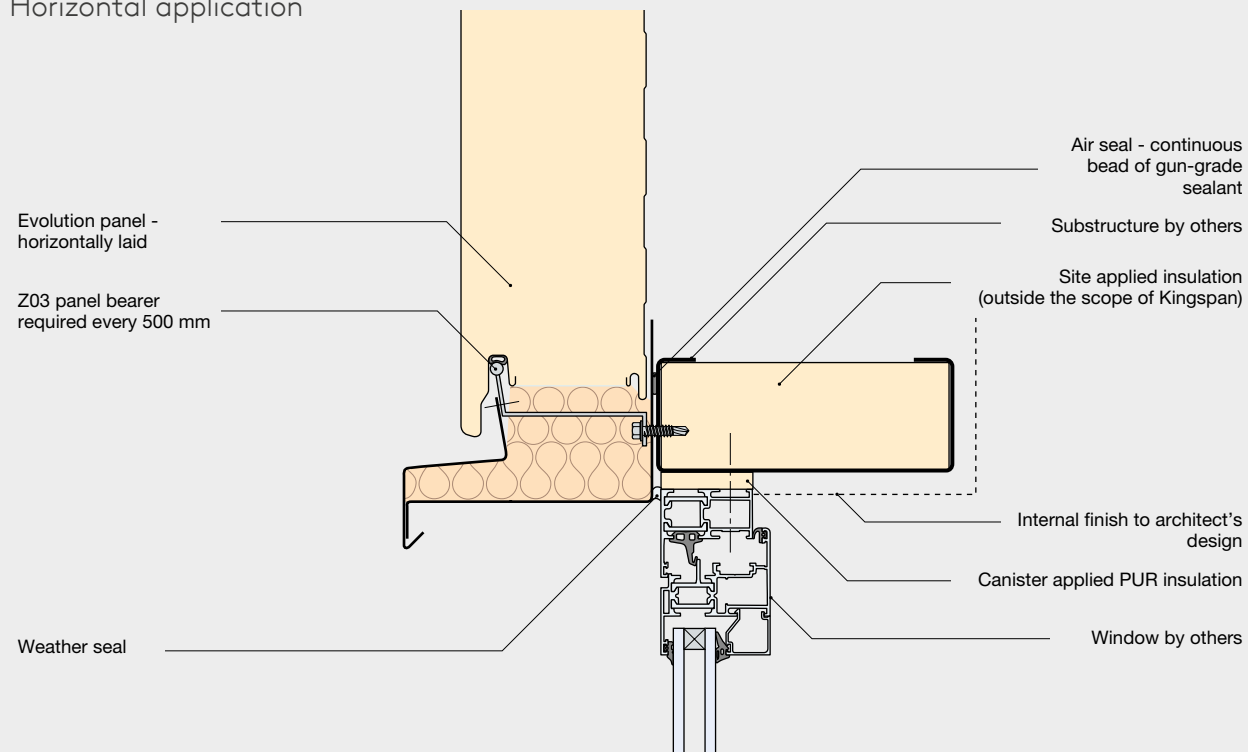
All technical information is subject to alterations. Errors and omissions excepted.

Louvre Detail
Horizontal application

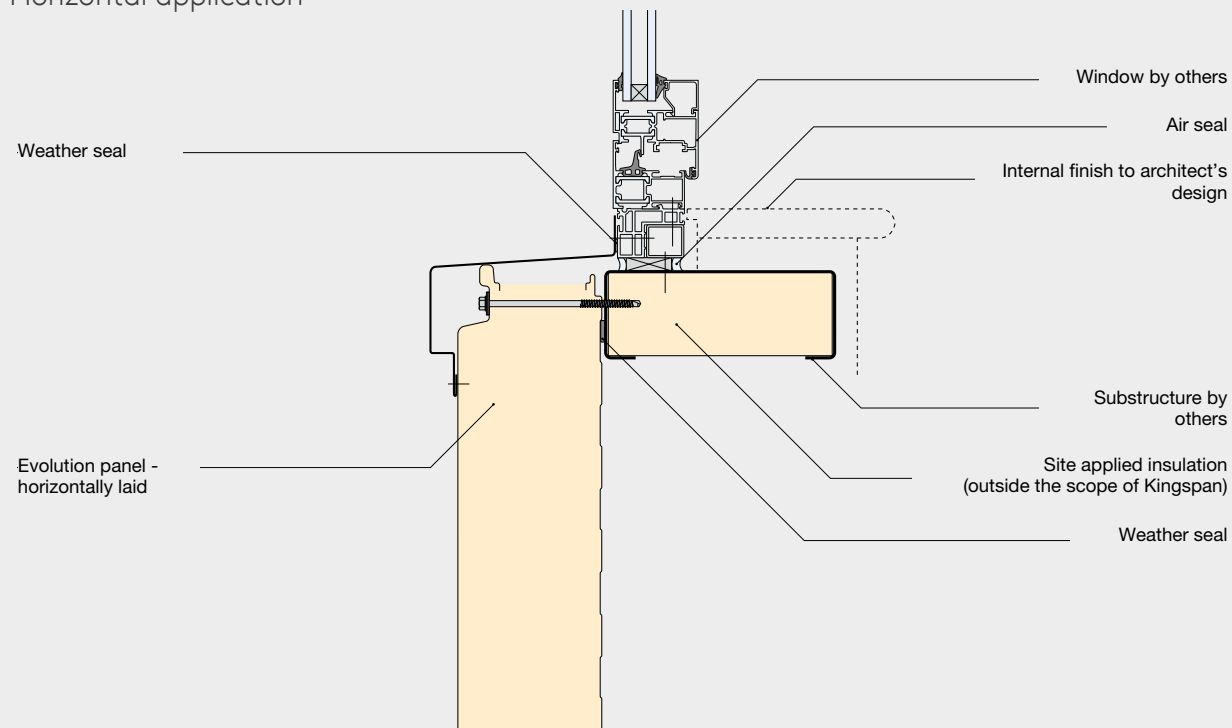


All technical information is subject to alterations. Errors and omissions excepted.

Window Head Detail Horizontal application

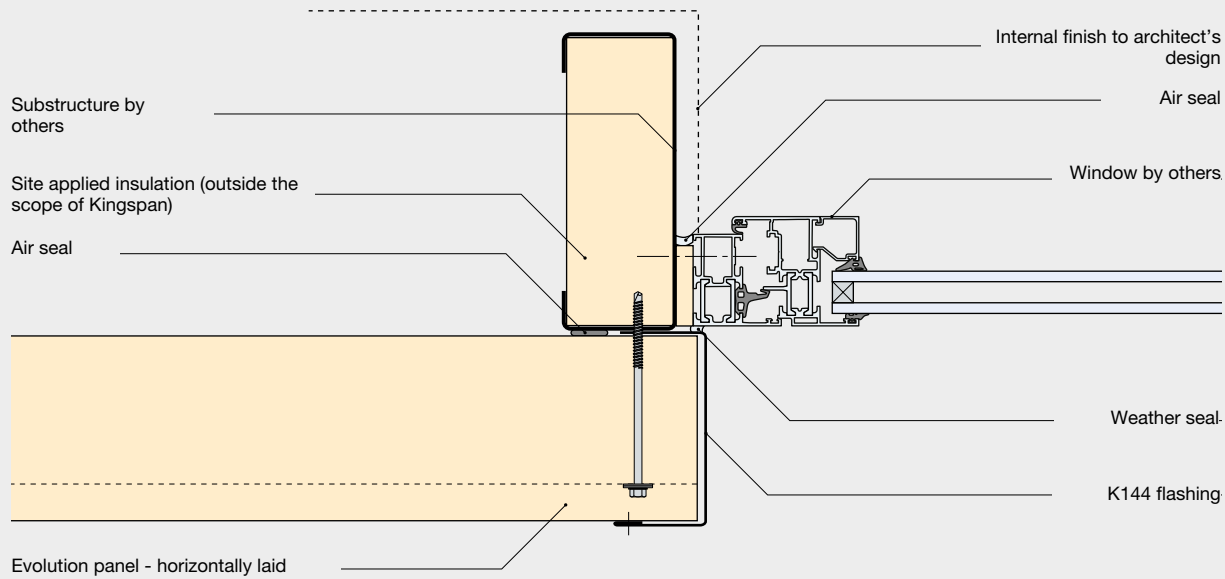
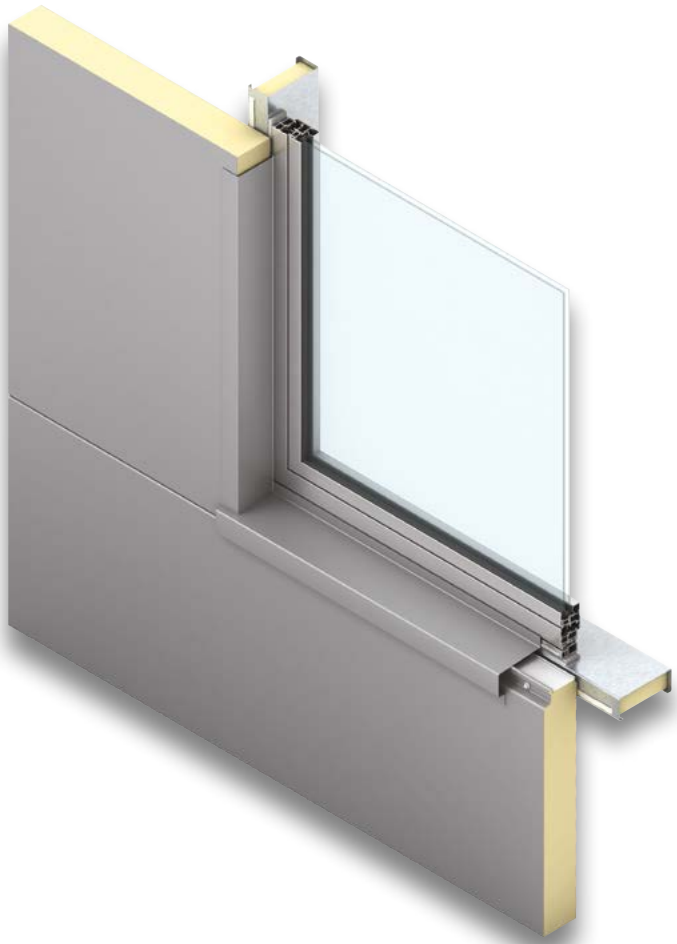


Window Still Detail Horizontal application



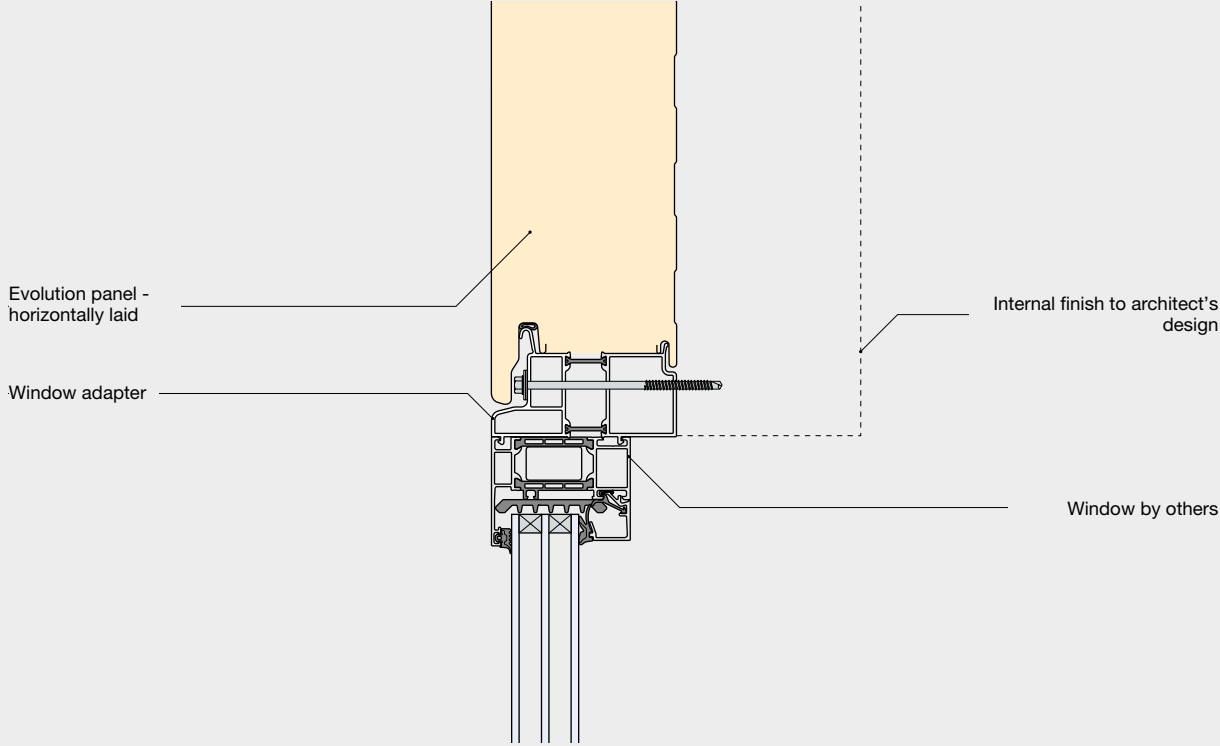
All technical information is subject to alterations. Errors and omissions excepted.

Window Jamb Detail Horizontal application

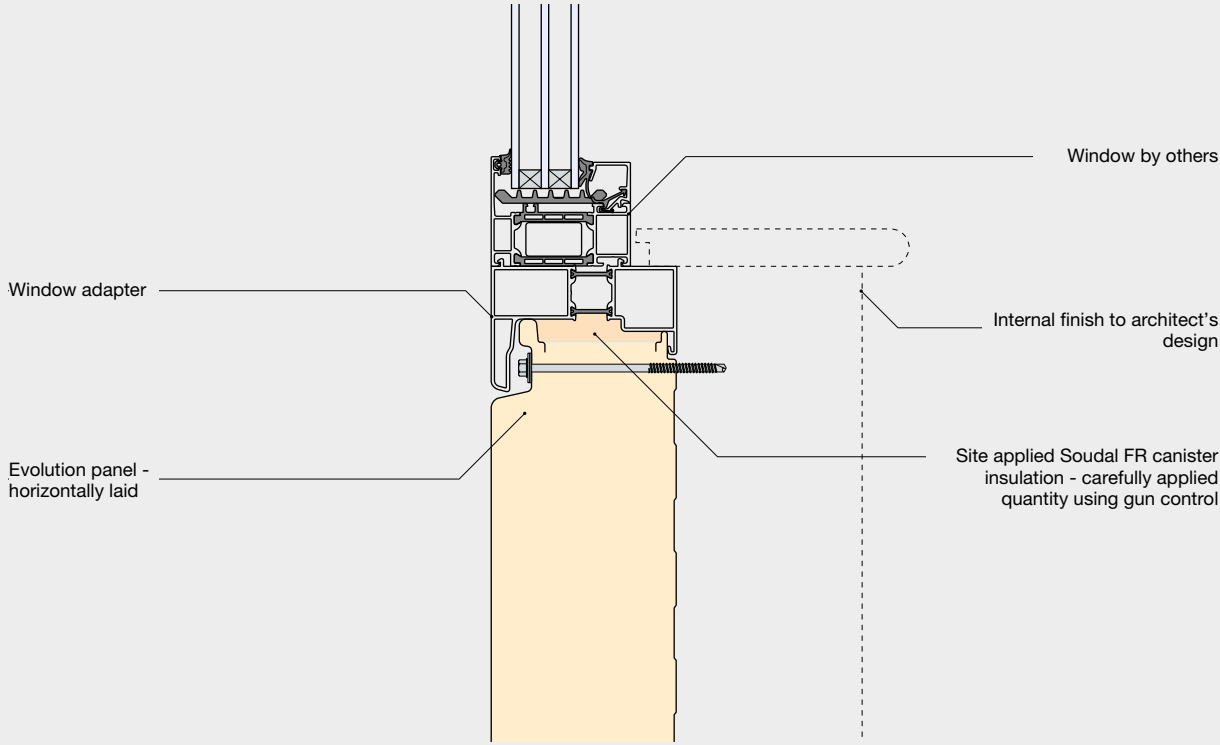


All technical information is subject to alterations. Errors and omissions excepted.

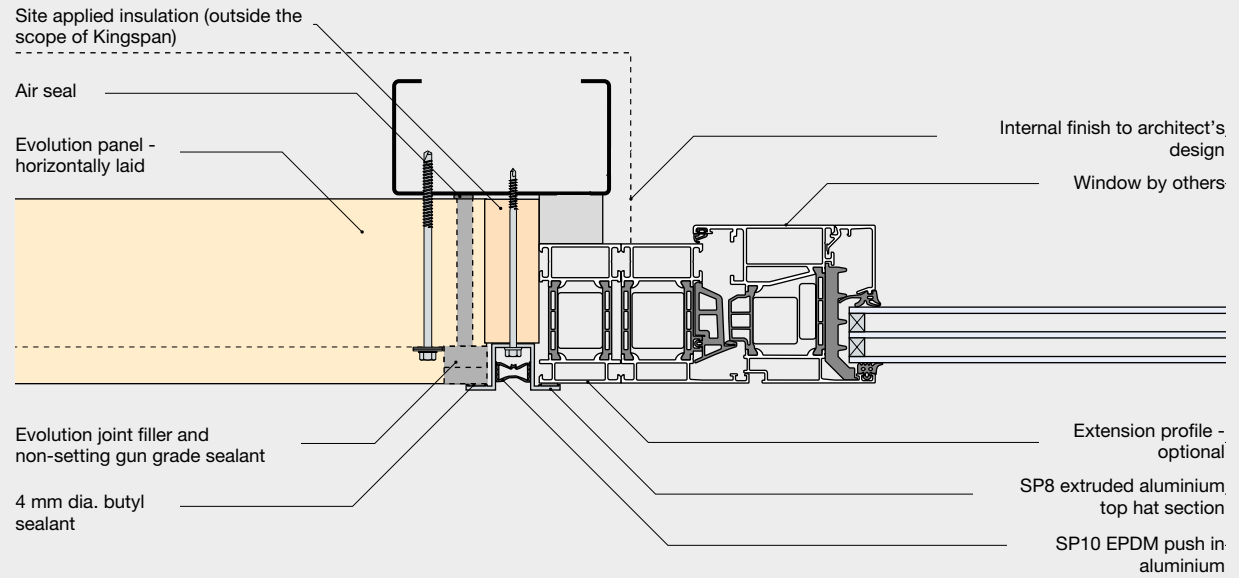
Integrated Window Head Detail
Horizontal application



Integrated Window Still Detail
Horizontal application



Window Jamb Detail
Horizontal application



Matrix:

Introduction
to the system



Matrix: Introduction

Prefabricated facade system where all components of a wall envelope are combined into an all-in-one modular wall solution.

Advanced facade element complete with thermal insulation K-Roc® (mineral wool), flat surface finish and the clean-cut, square-edged design. Panels can be curved horizontally to create large sweeping elevations or used for more understated corner sections.

Smooth, flat surfaces along with variable dimensions and an almost unlimited colour range - this is Matrix - an architectural facade system with non-combustible K-Roc® mineral wool insulating core.



Highlights:

- Advanced, high performance facade system based on panel with steel cladding and mineral wool insulation core.
- Complete, single component, external envelope solution.
- Great panel flatness, wide choice of colours and panel sizes.
- Very good thermal performance and no thermal bridges.
- Simple and fast to install - assembly time reduced by 50% compared to other conventional, multi component facade systems.



Thickness:
80, 100,
120, 150,
175, 200,
220, 240 mm

Width (module):
560-1180 mm

Length:
600-7500 mm

Panel dimensions:

- Width: 560 - 1180 mm (in 10 mm increments)
- Length: 0,6 -7,5 m
- Insulation core thickness: 80 mm, 100 mm, 120 mm, 150 mm, 175 mm, 200 mm, 220 mm and 240 mm



EME AERO service center

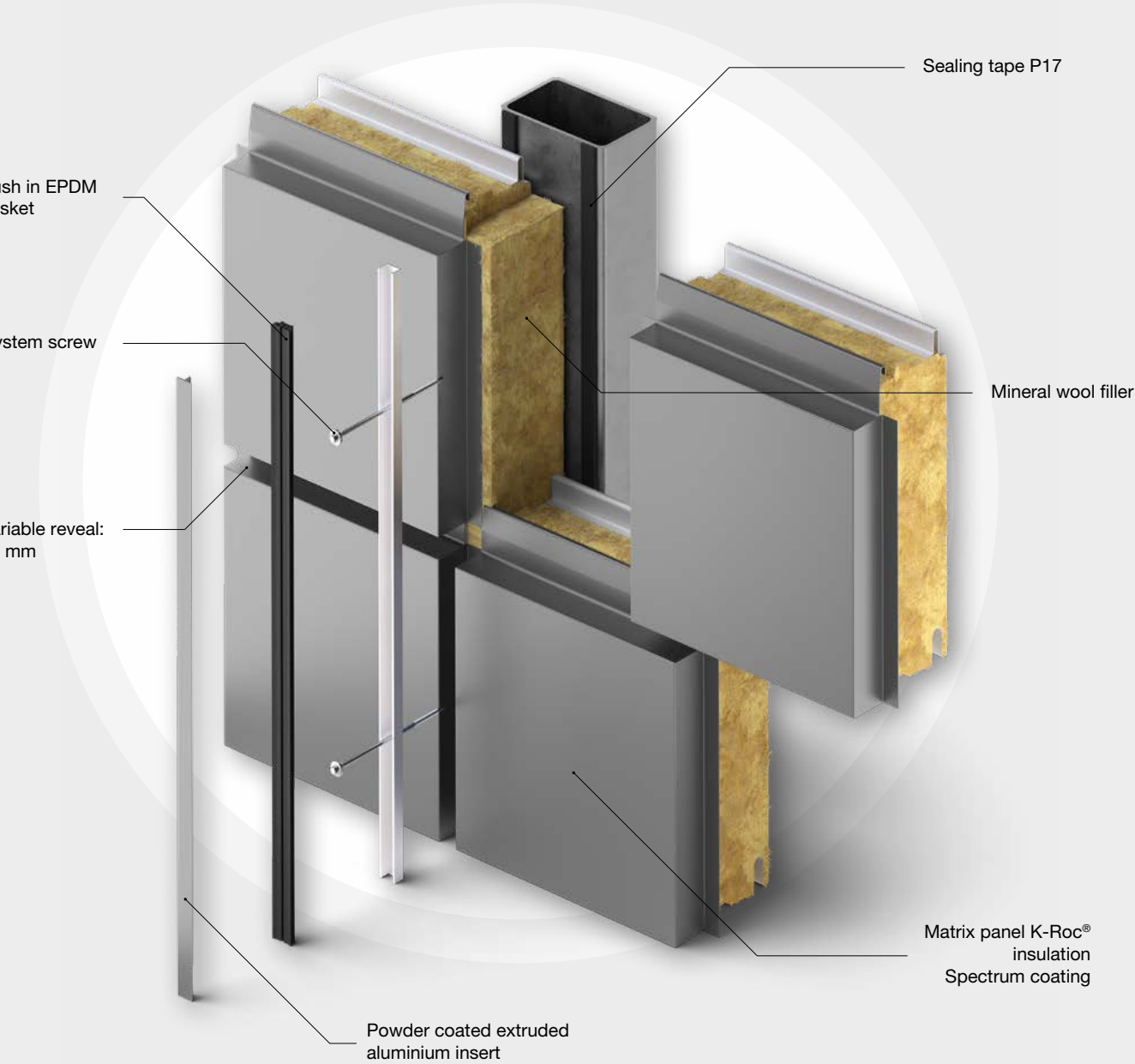
Jasionka, Poland

Product
Matrix

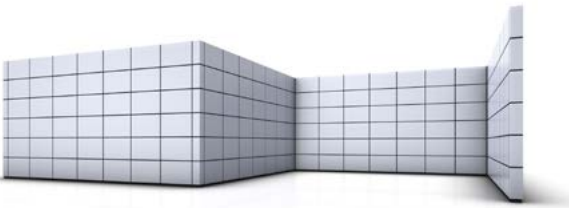


Matrix: System composition

Matrix is the next generation facade system that combines excellent aesthetics, clean future-proof form, function and technical performance. The ultimate prefabricated custom made modular system.



Installation options



1. Horizontal installation



2. Vertical asymmetrical installation

Matrix K-Roc® MPC** – technical data:

Panel thickness (mm)	80	100	120	150	175	200	220	240
Panel length (mm)	600 - 7500	600 - 7500	600 - 7500	600 - 7500	600 - 7500	600 - 7500	600 - 7500	600 - 7500
Panel width (mm)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)
Steel thickness (mm) (external/internal)	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50
Panel weight (kg/m²)*	17,43	19,13	20,83	23,38	25,50	27,63	29,33	31,03
Packaging - number of panels in a bundle	10	9	8	6	5	5	5	4
Thermal transmittance (U-value) (W/m²K) - EN 14509 compliant*	0,50	0,40	0,33	0,27	0,23	0,20	0,18	0,17
Fire safety classification - EN13501-1 compliant	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0
Fire Resistance	Detailed information on fire resistances can be obtained from our Sales department							
Sound insulation Rw (dB)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Application	External walls, internal walls, ceilings							

*For panel width of 1000 mm.
**MPC – Paroc 50C mineral wool was used.



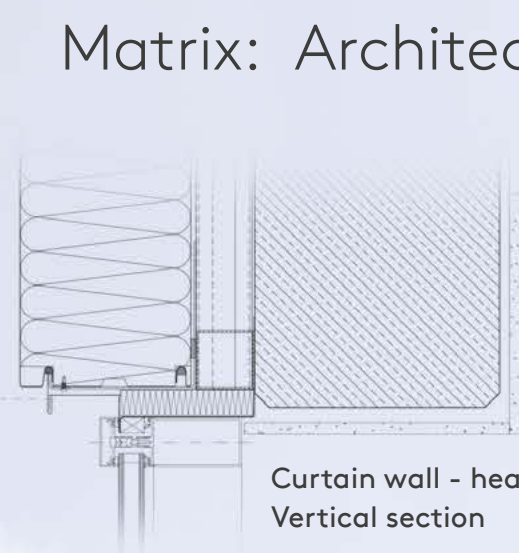
Matrix K-Roc® MLP** – technical data:

Panel thickness (mm)	80	100	120	150	175	200
Panel length (mm)	600 - 7500	600 - 7500	600 - 7500	600 - 7500	600 - 7500	600 - 7500
Panel width (mm)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)	560 - 1180 (in 10 mm increments)
Steel thickness (mm) (external/internal)	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50	0,75/0,50
Panel weight (kg/m²)*	21,22	23,88	26,54	30,53	33,85	37,18
Packaging - number of panels in a bundle	10	9	8	6	5	5
Thermal transmittance (U-value) (W/m²K) - EN 14509 compliant*	0,55	0,44	0,37	0,30	0,25	0,22
Fire safety classification - EN13501-1 compliant	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0
Fire Resistance	Detailed information on fire resistances can be obtained from our Sales department					
Sound insulation Rw (dB)	32 (-2; -4)	32 (-2; -4)	32 (-2; -4)	32 (-2; -4)	32 (-2; -4)	32 (-2; -4)
Application	External walls, internal walls, ceilings					

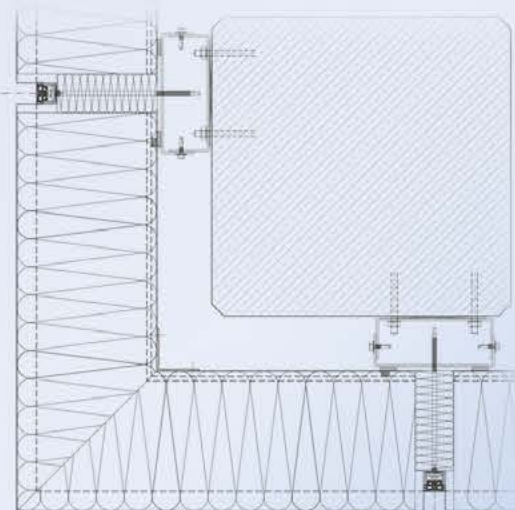
*For panel width of 1000 mm.
**MLP – Isover SP120 mineral wool was used.

Chefs Culinar headquarters
Wiskitki, Poland
Product Matrix

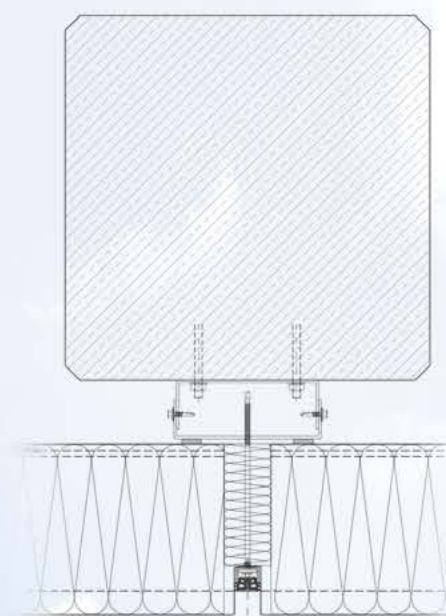
Matrix: Architectural details



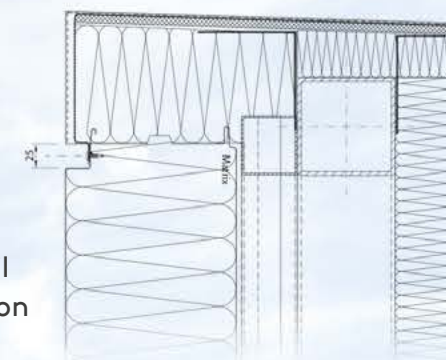
Curtain wall - head detail
Vertical section



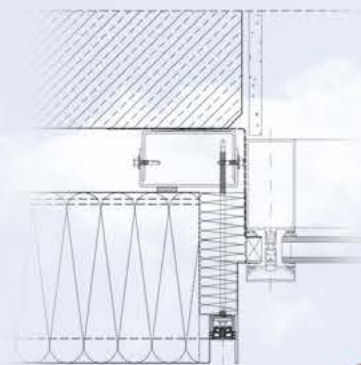
External corner detail
Horizontal section



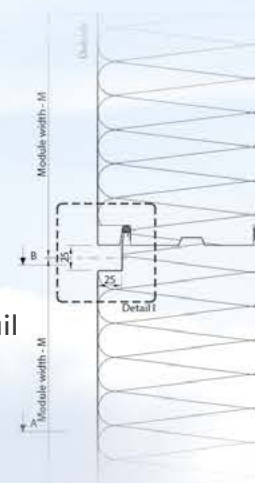
Vertical joint detail
Horizontal section



Parapet detail
Vertical section



Curtain wall - jamb detail
Horizontal section



Horizontal joint detail
Vertical section

Koupelny Ptáček bathroom
fittings showroom

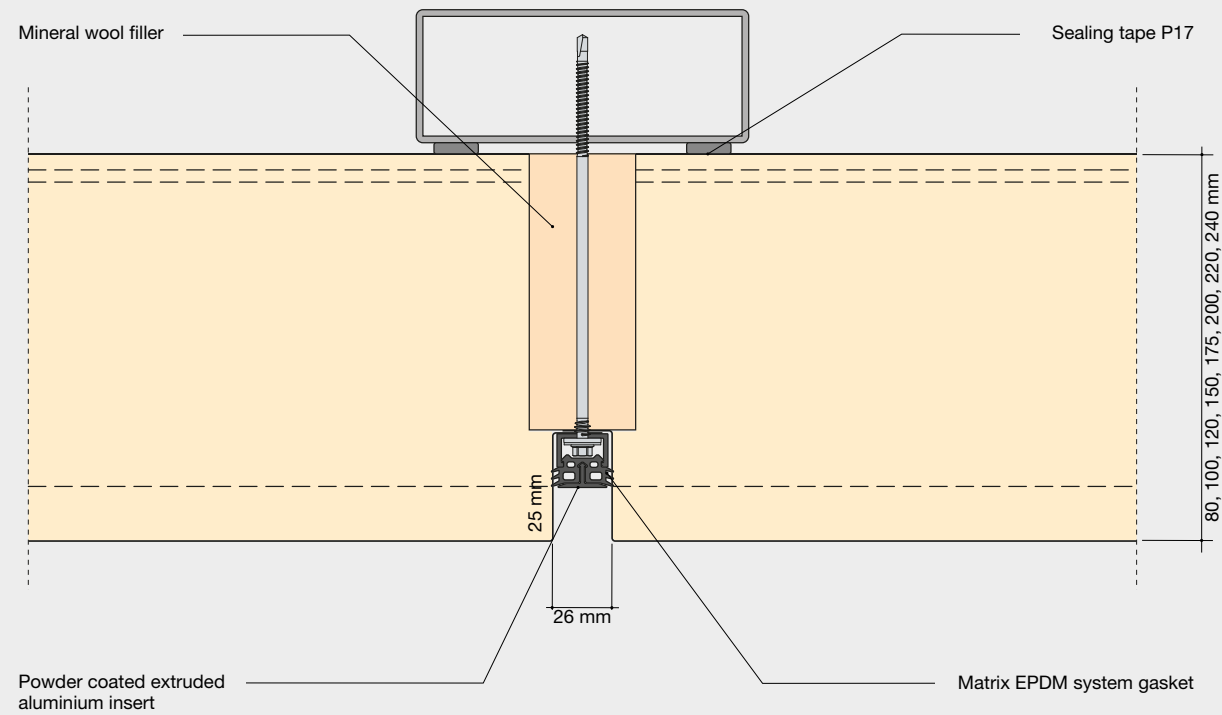
Praga, Czech Republic

Produkt
Matrix

We offer a wide range of architectural details

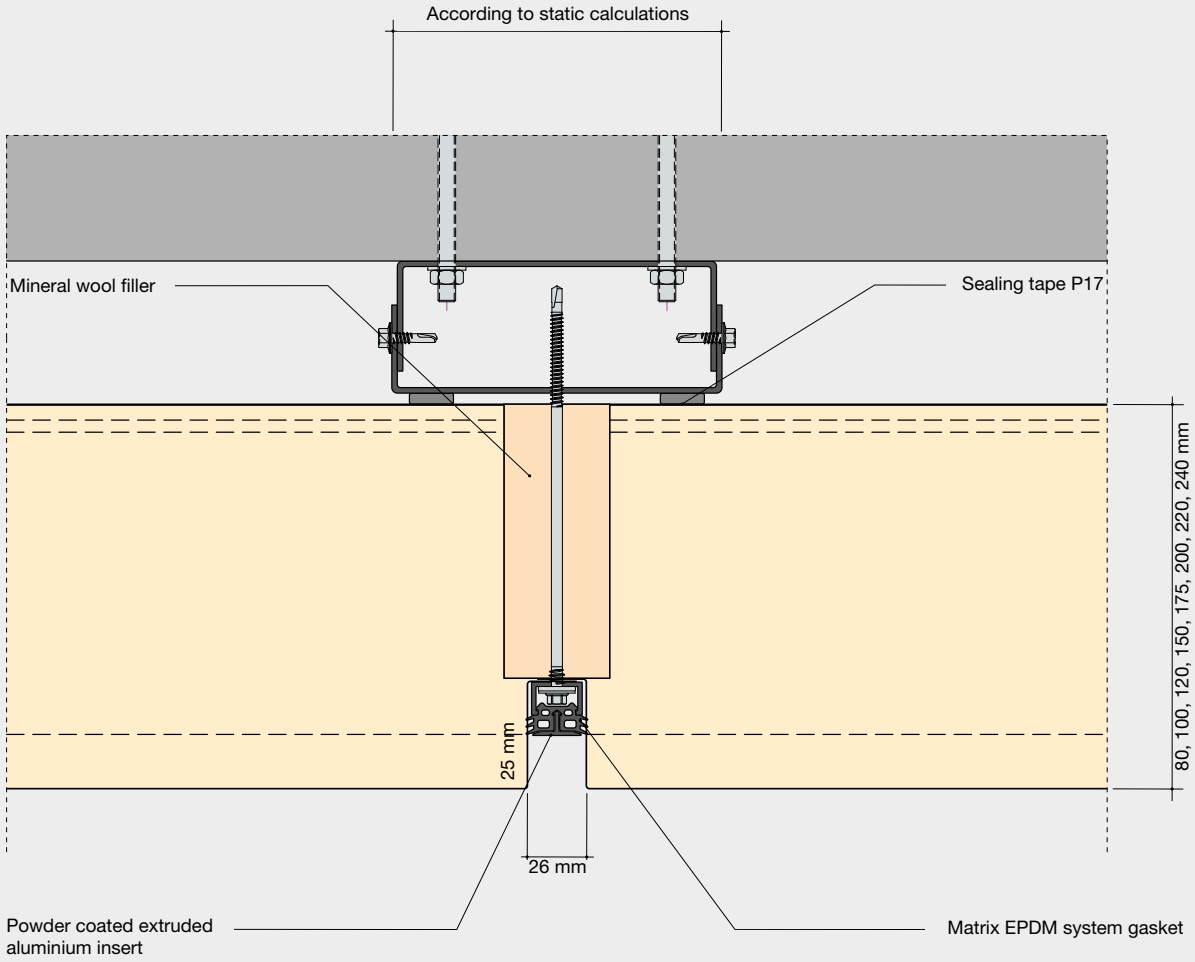
For more information please contact our Technical department

Vertical Joint Detail - direct fixing
Horizontal application



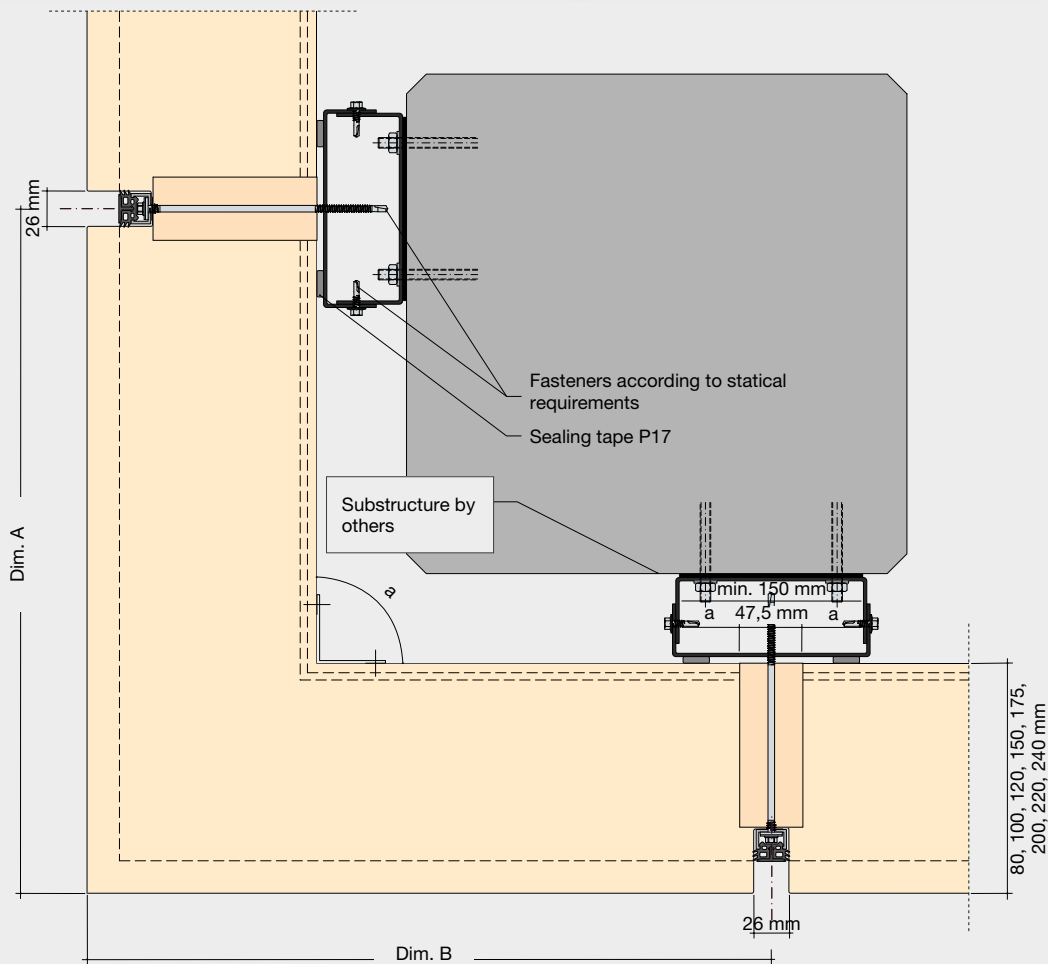
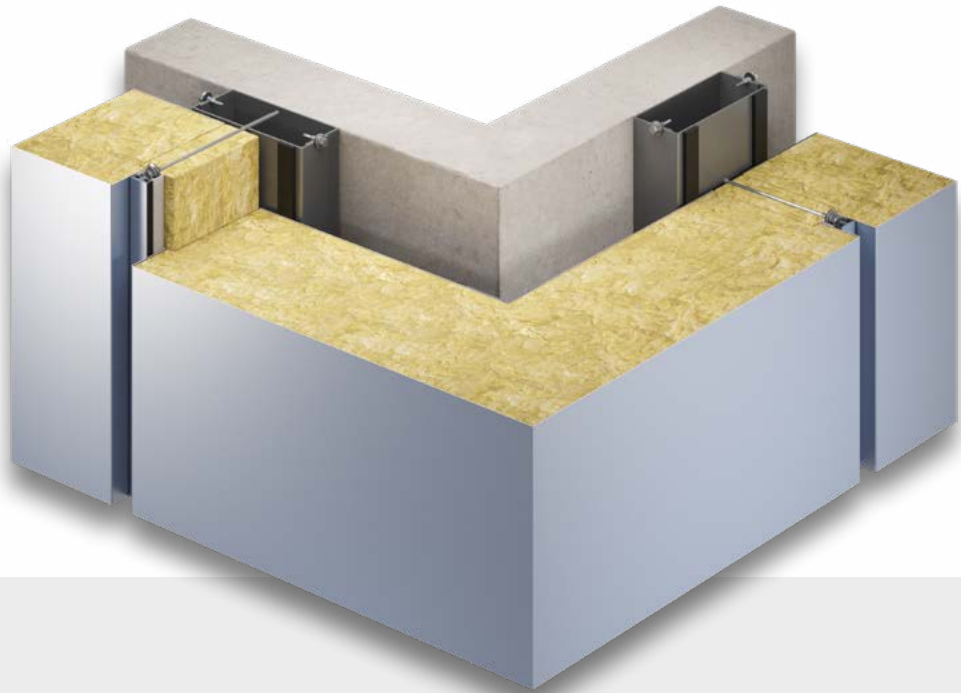
All technical information is subject to alterations. Errors and omissions excepted.

Vertical Joint Detail - fixing to the adjustable substructure
Horizontal application



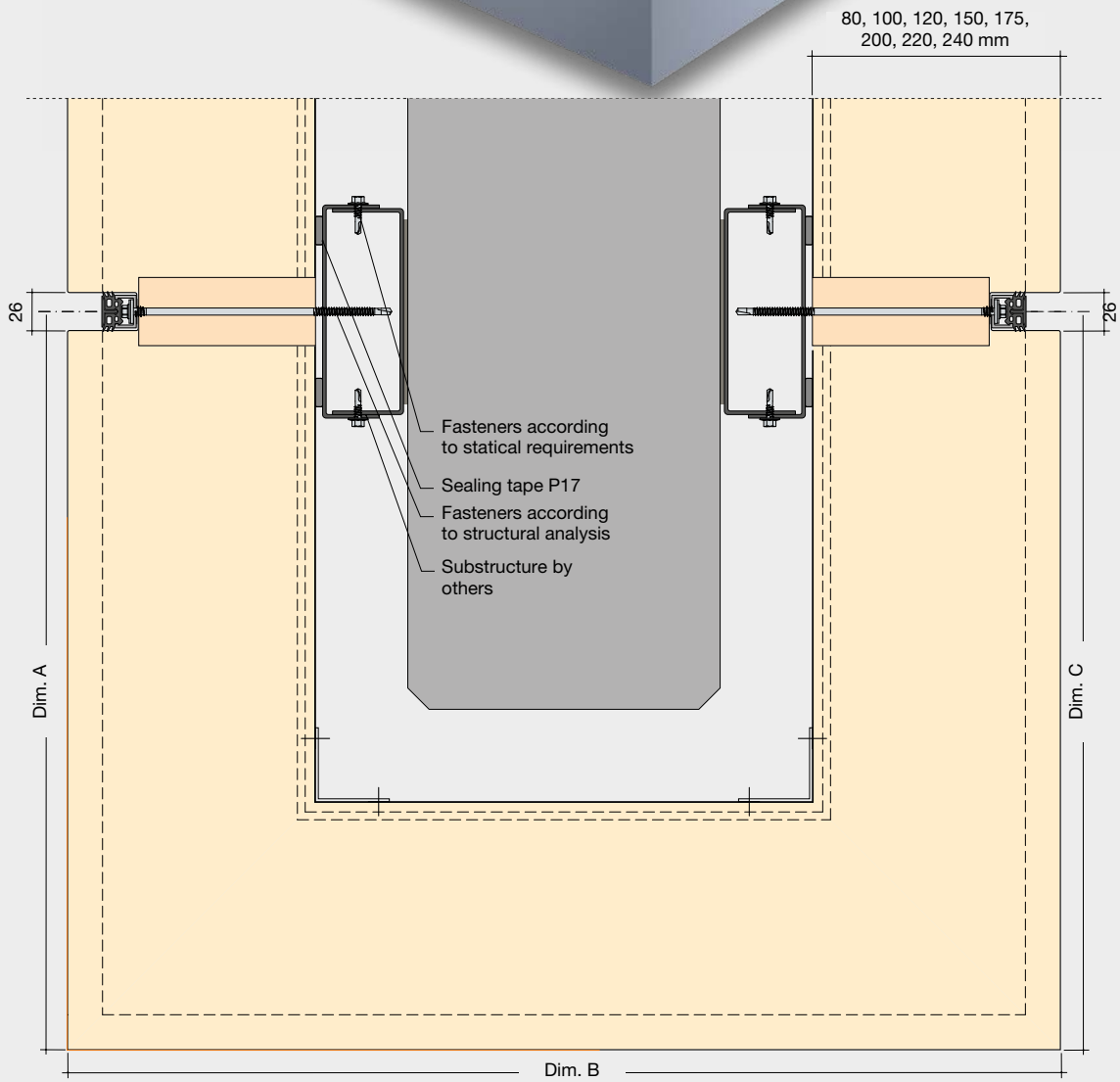
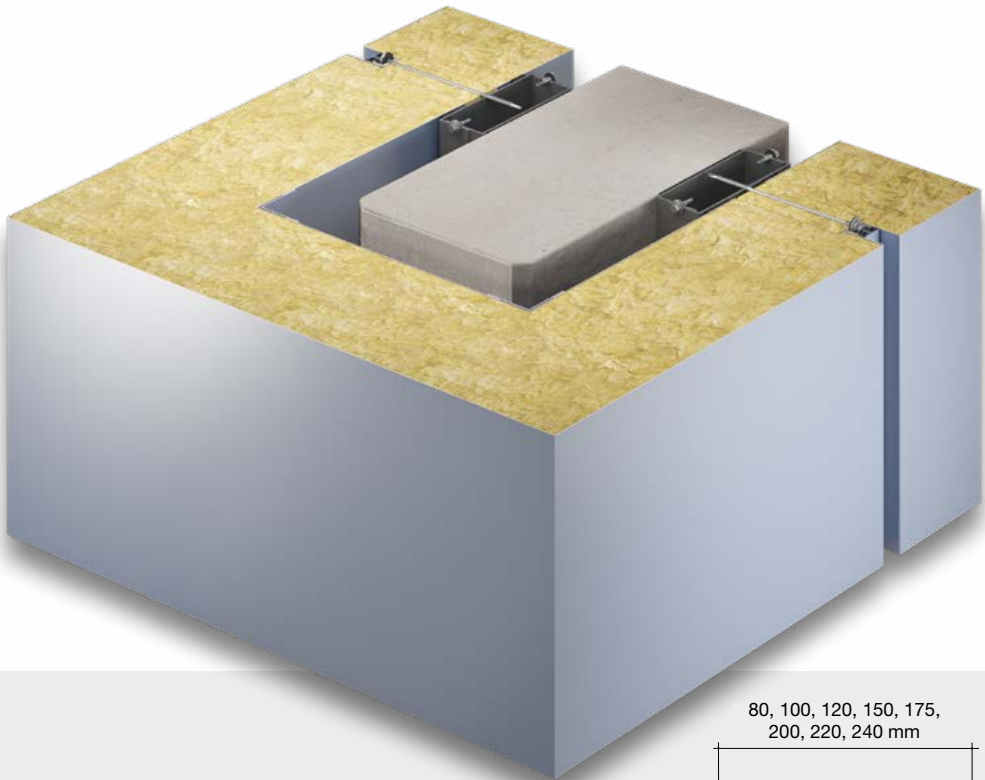
All technical information is subject to alterations. Errors and omissions excepted.

External Corner
Horizontal application



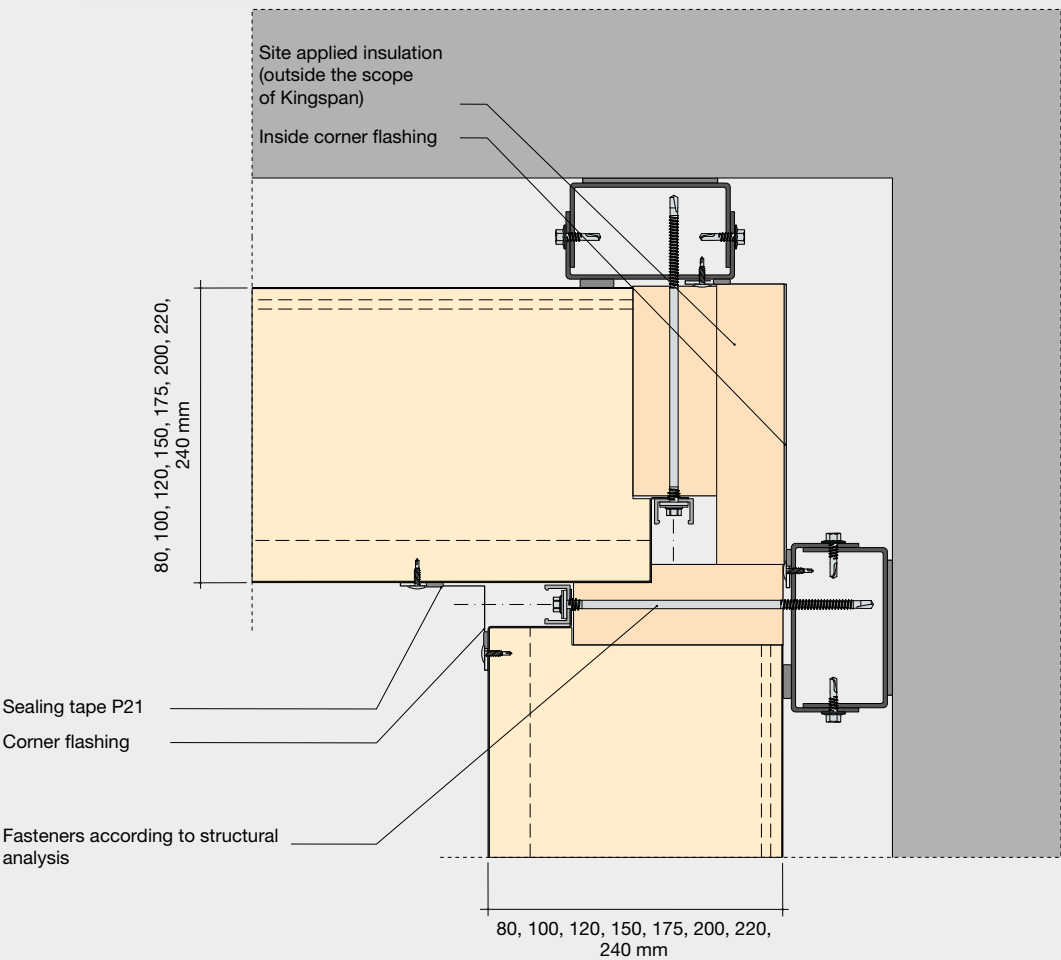
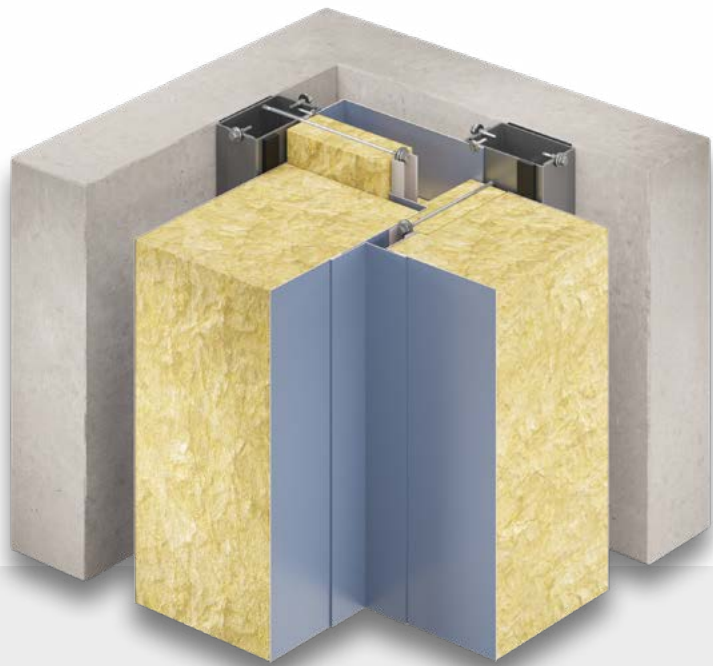
All technical information is subject to alterations. Errors and omissions excepted.

U Corner



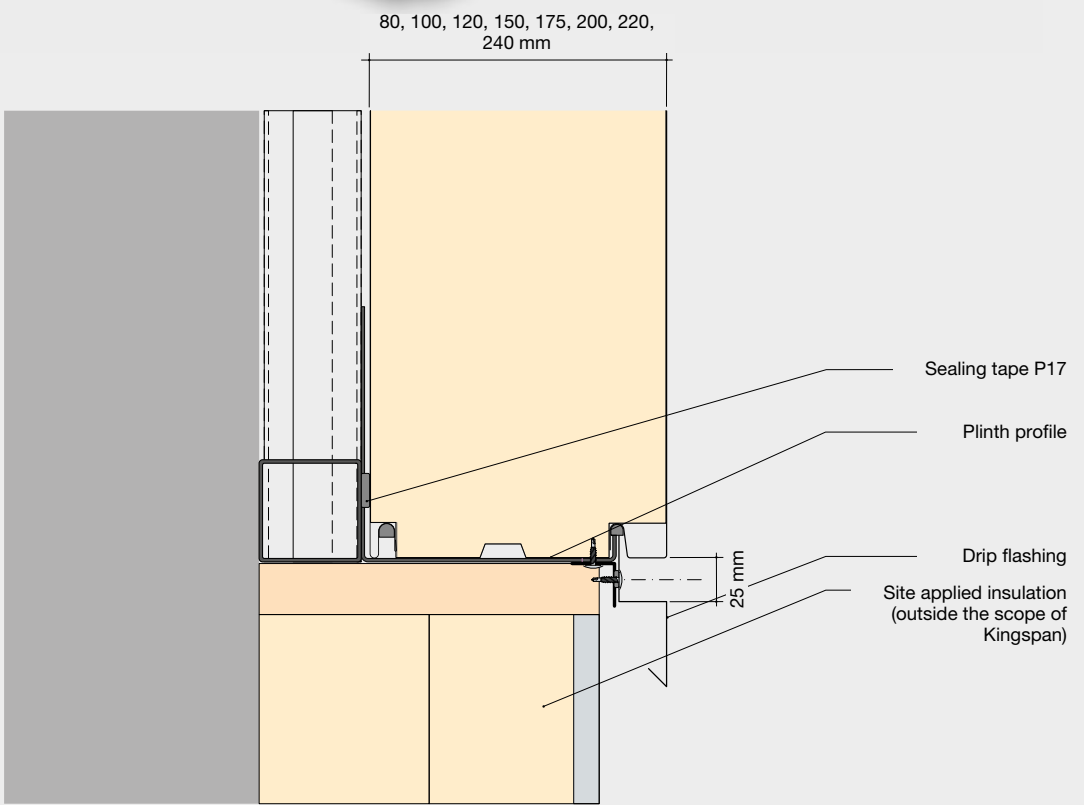
All technical information is subject to alterations. Errors and omissions excepted.

Internal Corner I
Horizontal application



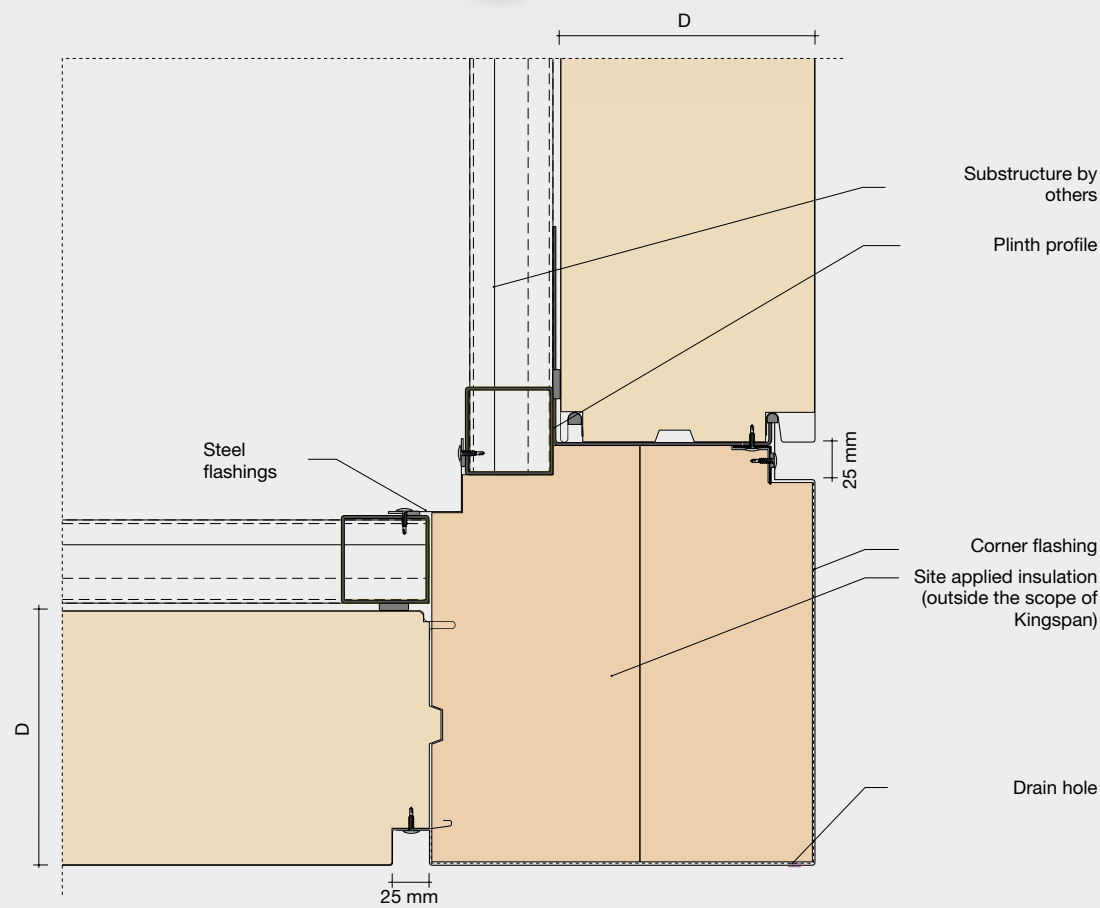
All technical information is subject to alterations. Errors and omissions excepted.

Base Detail
Horizontal application



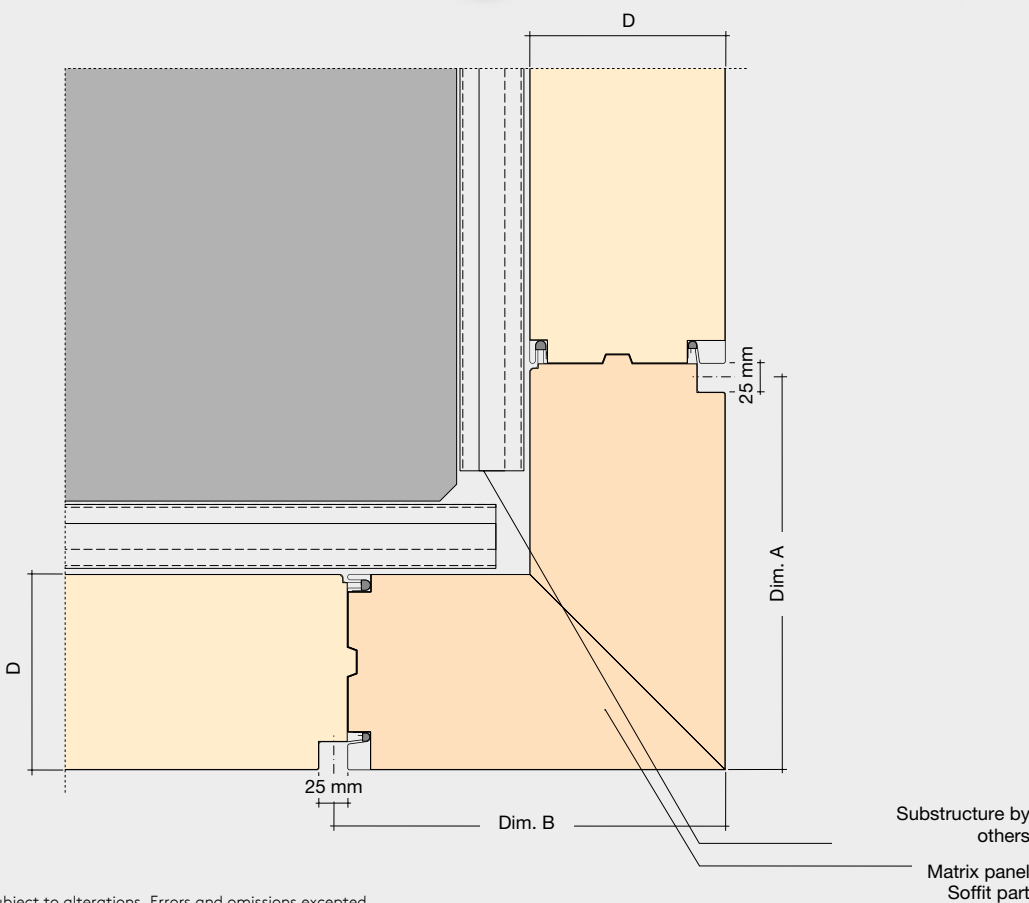
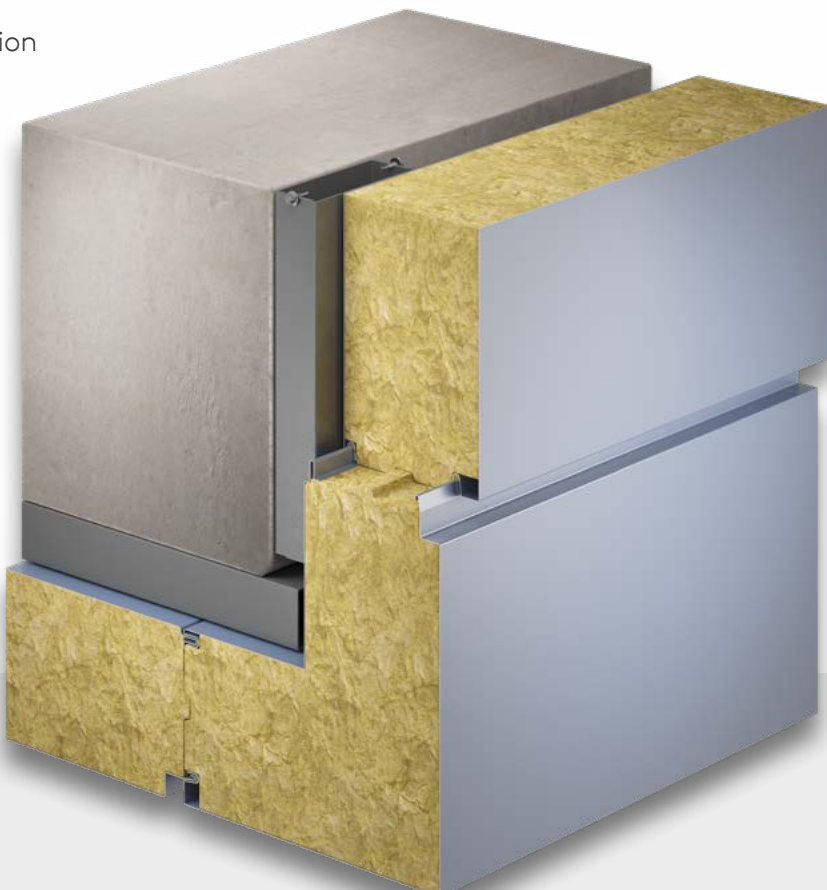
All technical information is subject to alterations. Errors and omissions excepted.

Base Detail to Soffit I
Horizontal application



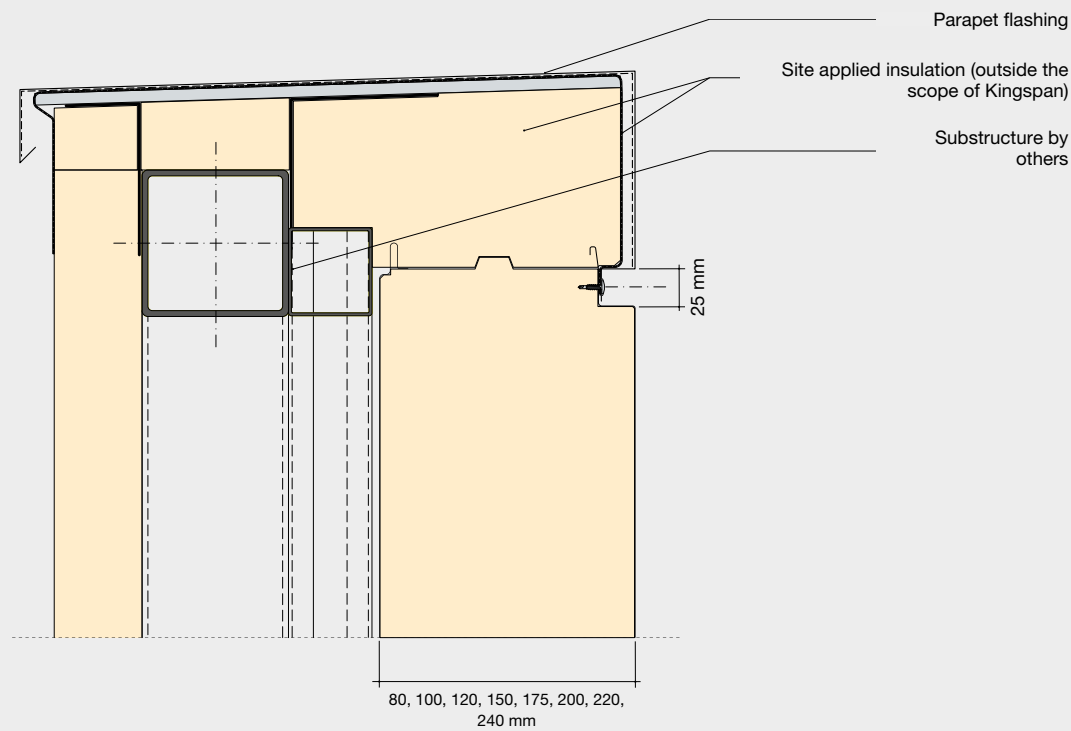
All technical information is subject to alterations. Errors and omissions excepted.

Vertical Corner
Horizontal application



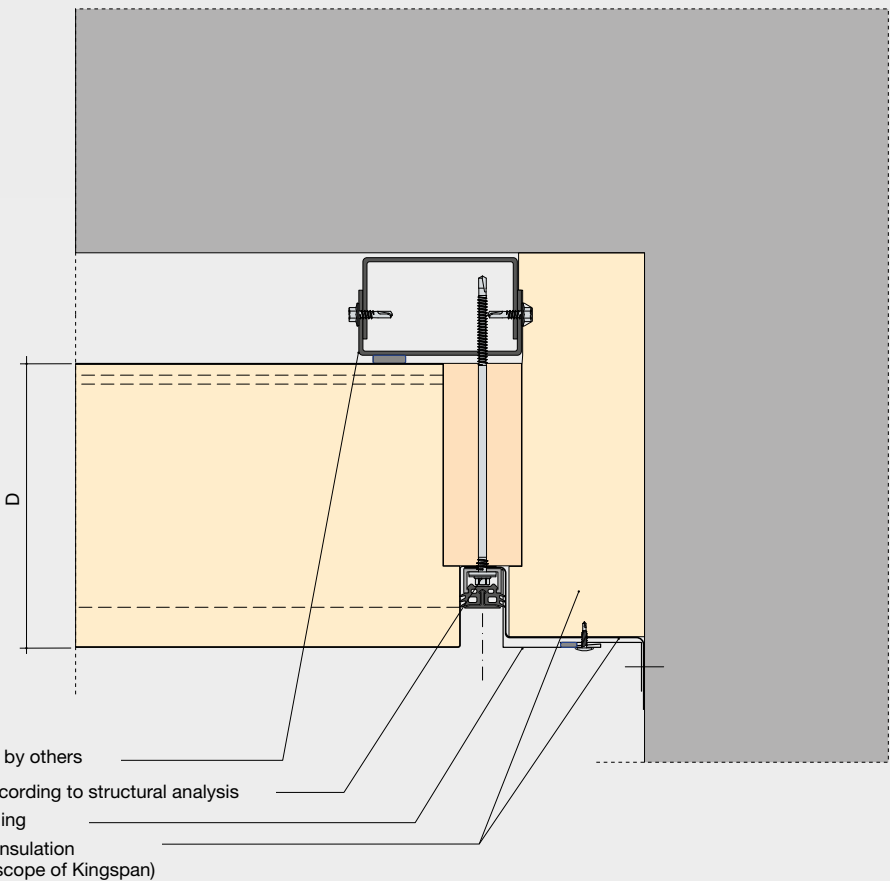
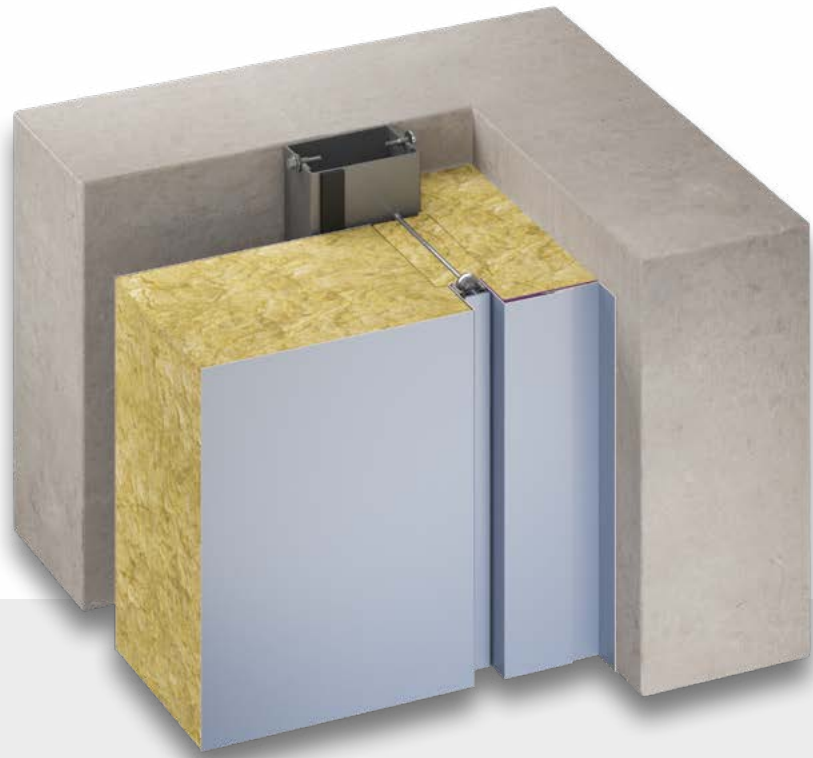
All technical information is subject to alterations. Errors and omissions excepted.

Parapet Detail
Horizontal application



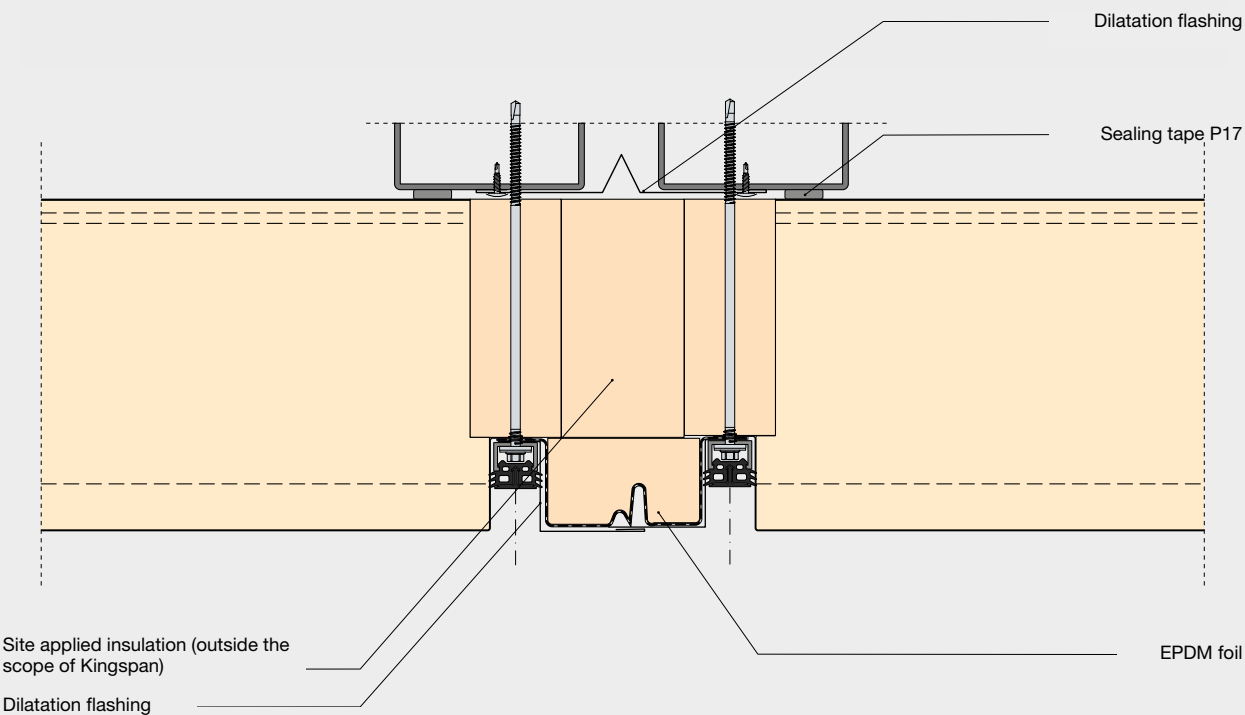
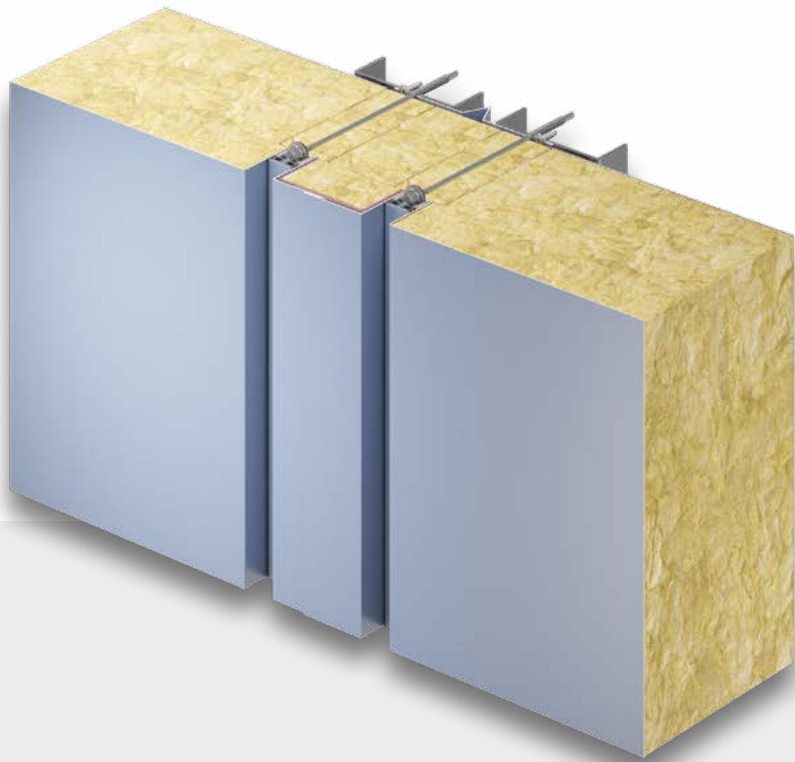
All technical information is subject to alterations. Errors and omissions excepted.

Endwall Detail
Horizontal application



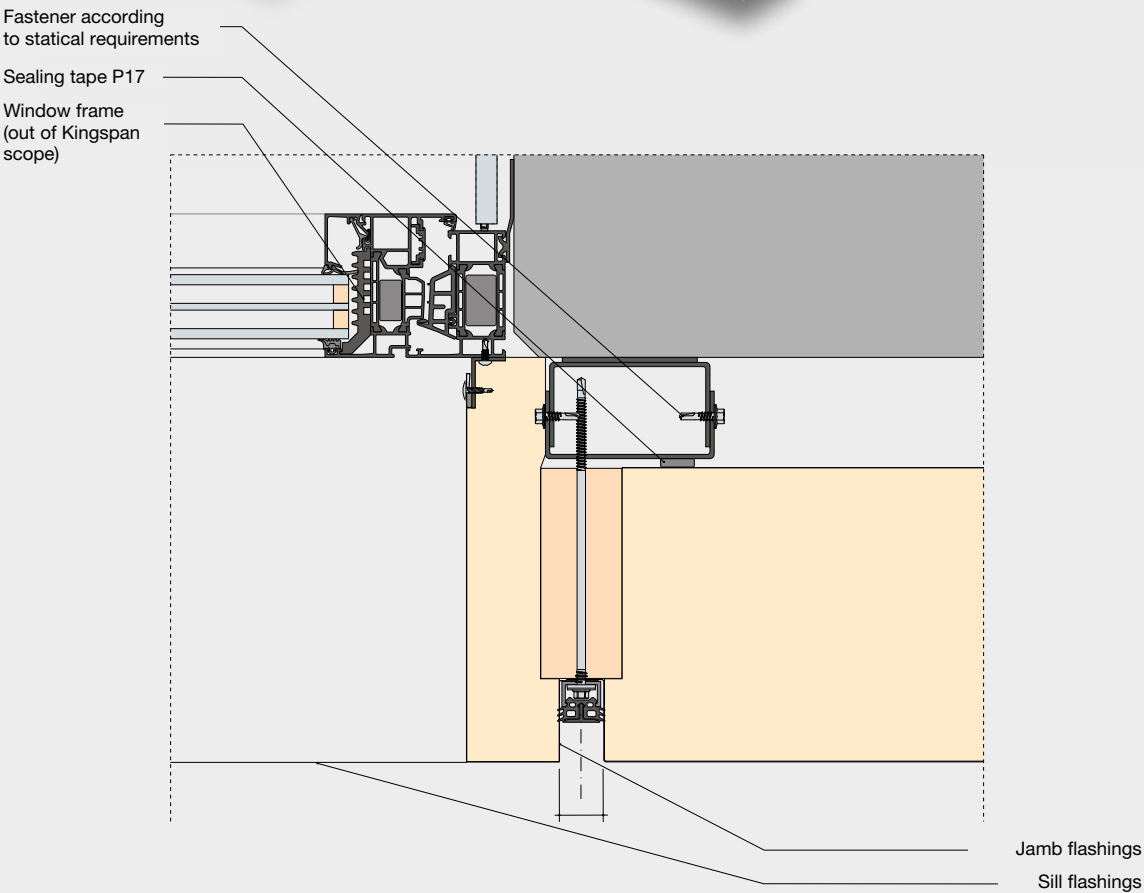
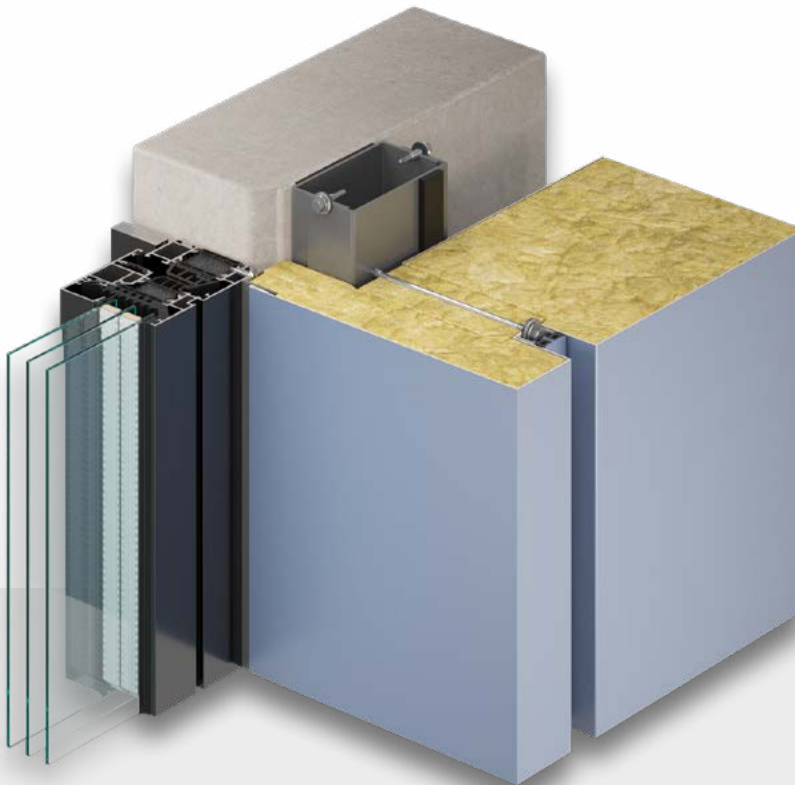
All technical information is subject to alterations. Errors and omissions excepted.

Dilatation Detail
Horizontal application



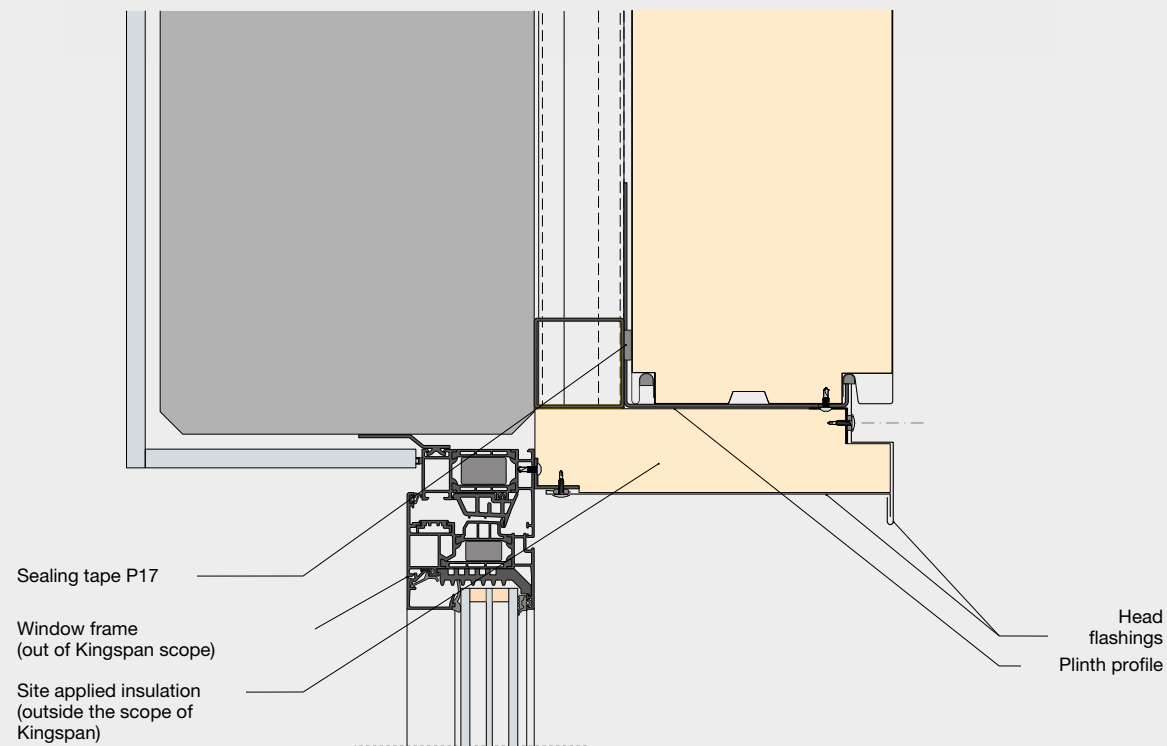
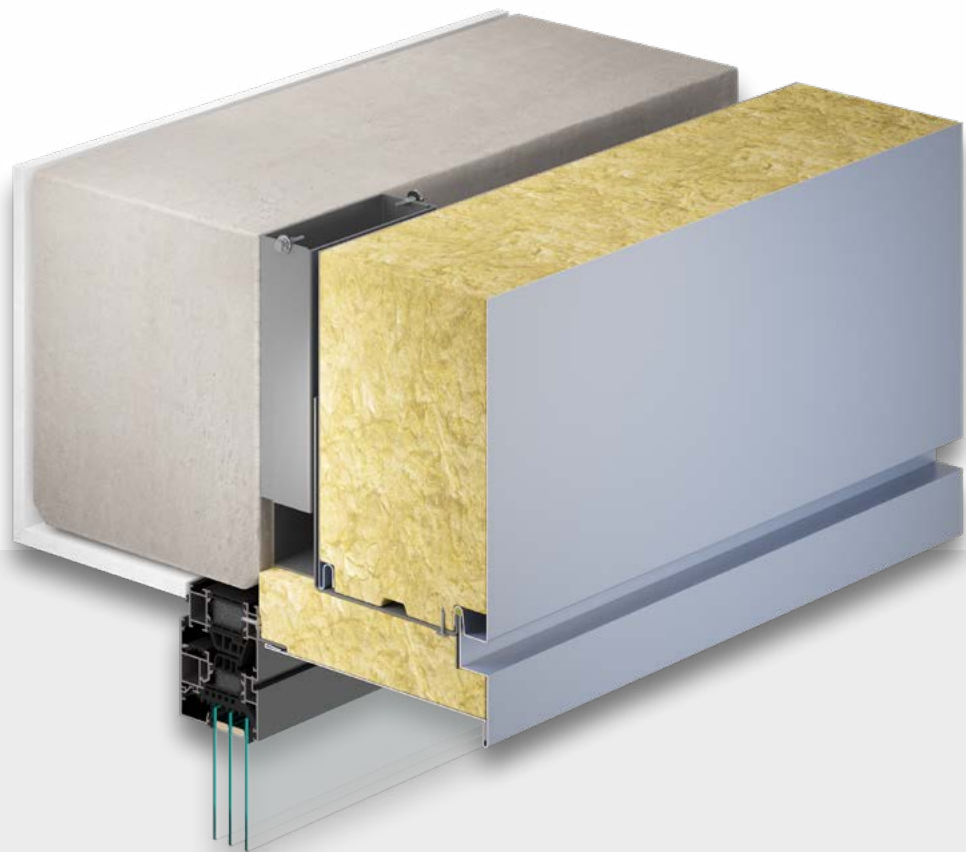
All technical information is subject to alterations. Errors and omissions excepted.

Recessed Window Jamb Detail I
Horizontal application



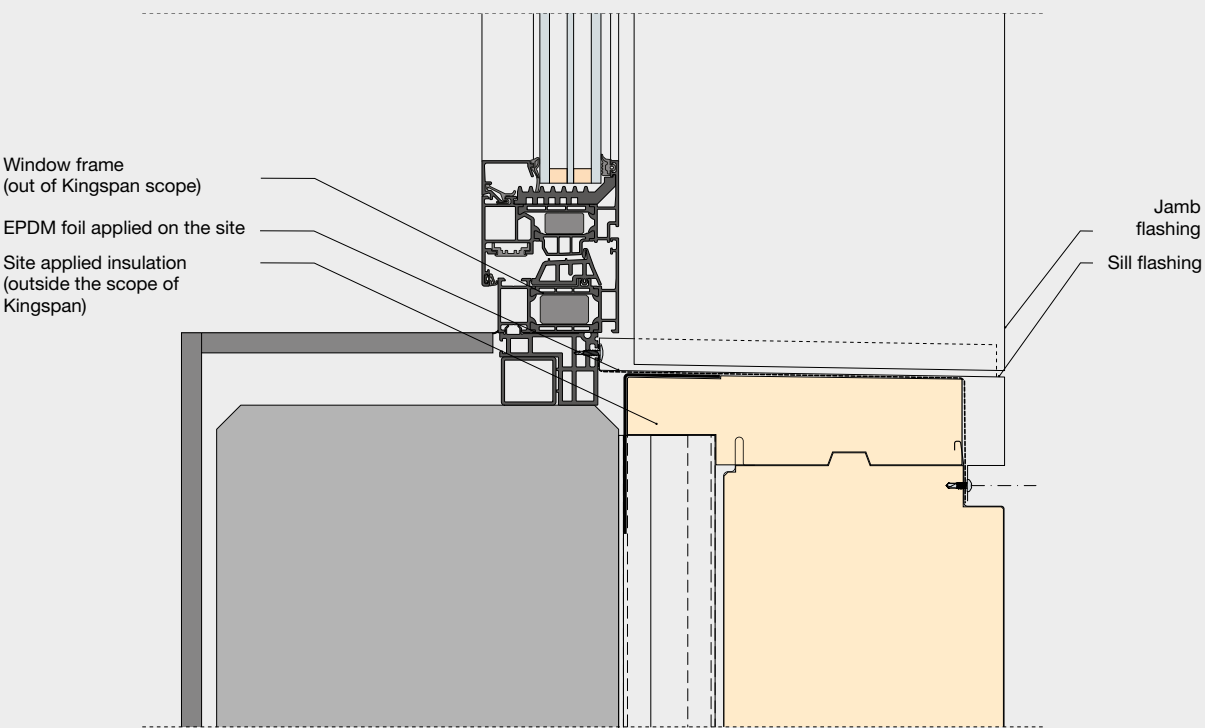
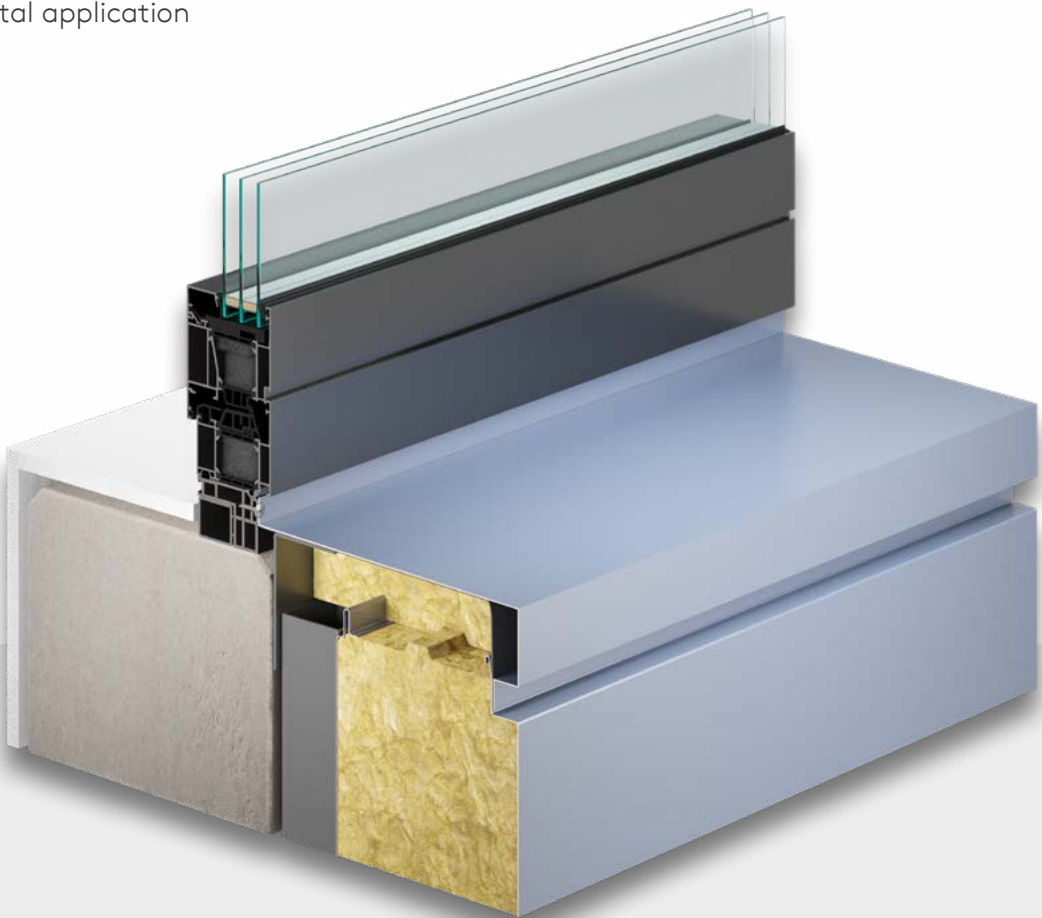
All technical information is subject to alterations. Errors and omissions excepted.

Recessed Window Head Detail I
Horizontal application



All technical information is subject to alterations. Errors and omissions excepted.

Recessed Window Sill Detail
Horizontal application



All technical information is subject to alterations. Errors and omissions excepted.

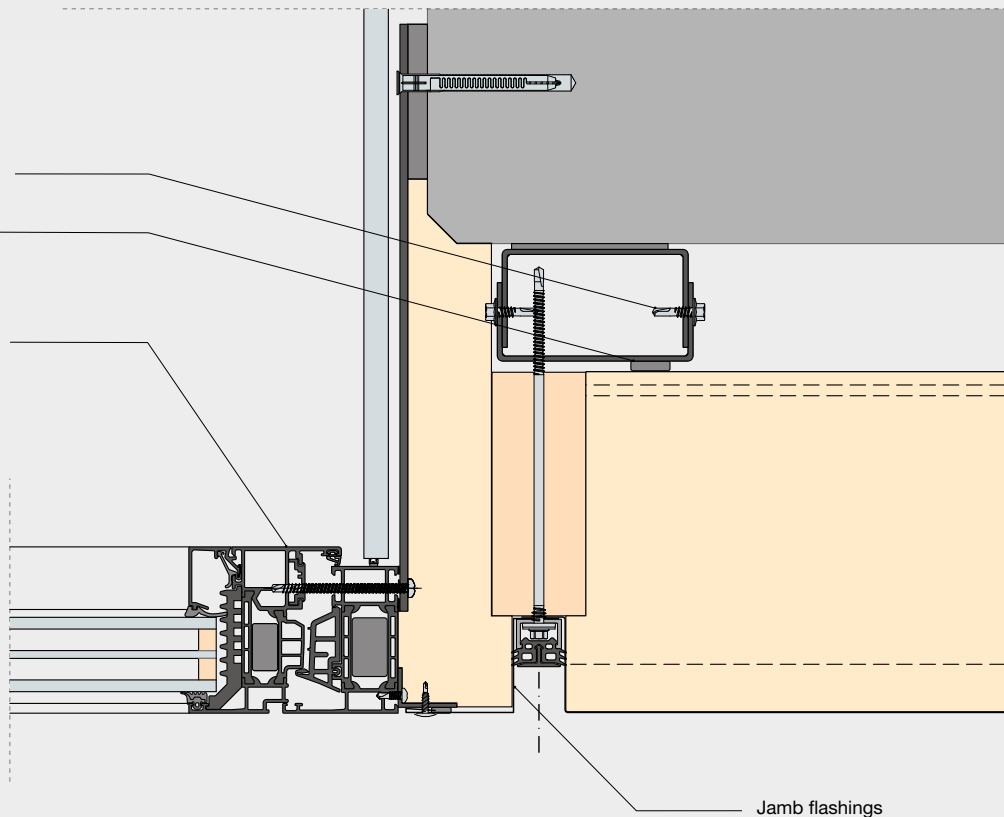
Window Jamb Detail



Fastener according
to static requirements

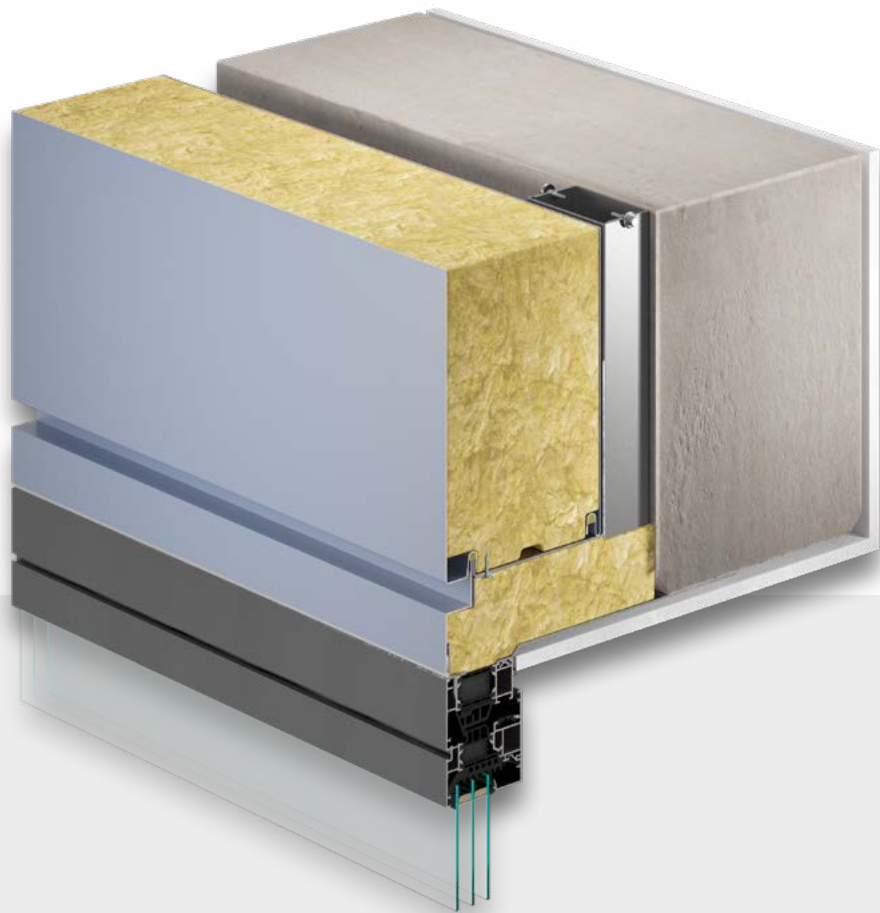
Sealing tape P17

Window frame
(out of Kingspan scope)



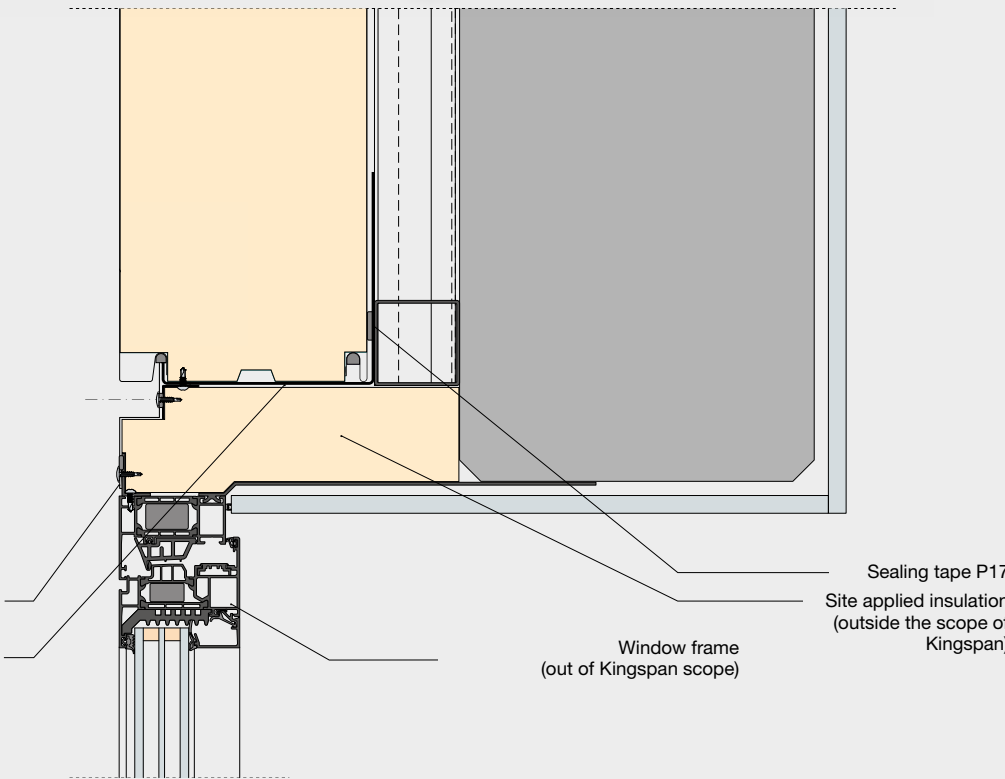
All technical information is subject to alterations. Errors and omissions excepted.

Window Head Detail II
Horizontal application



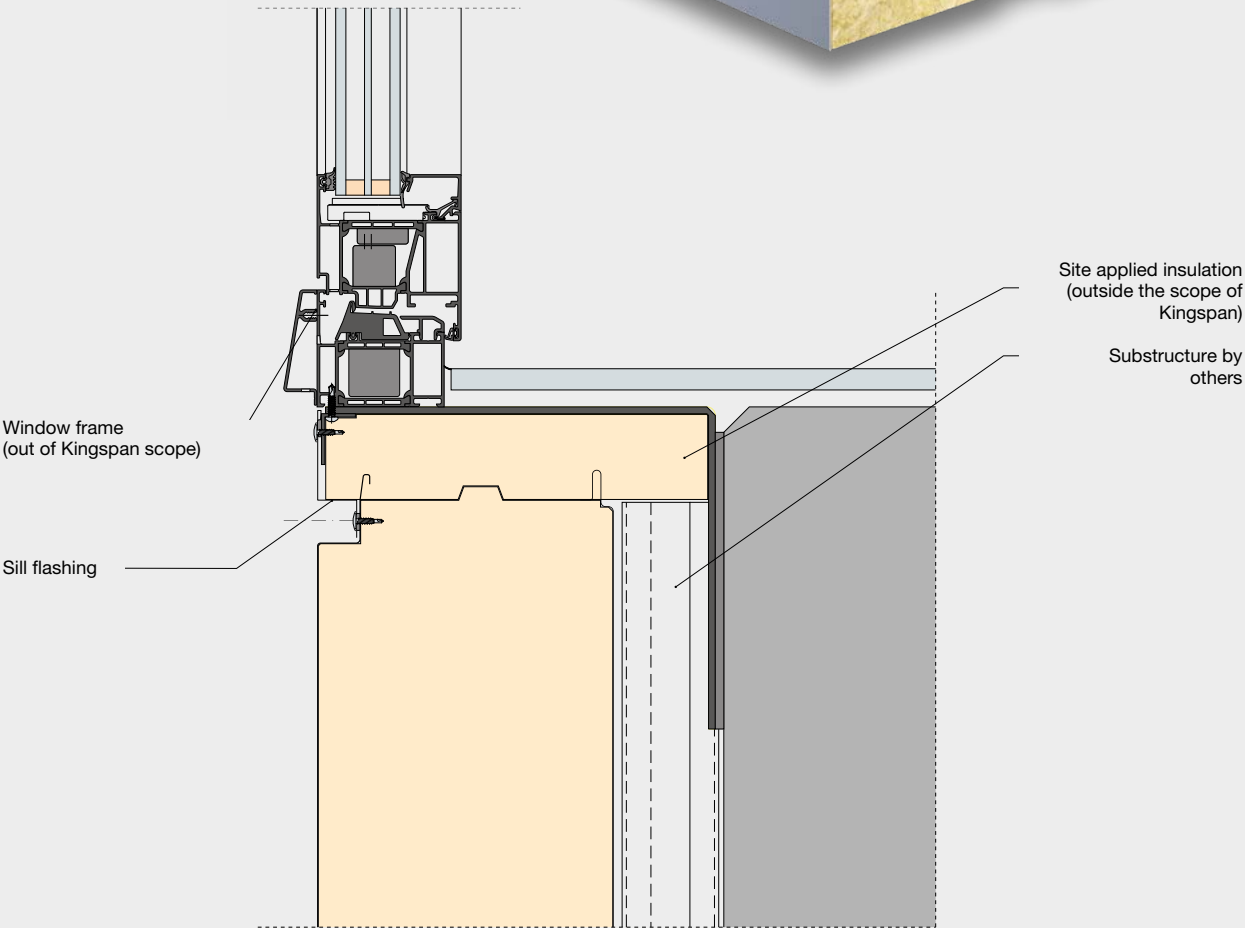
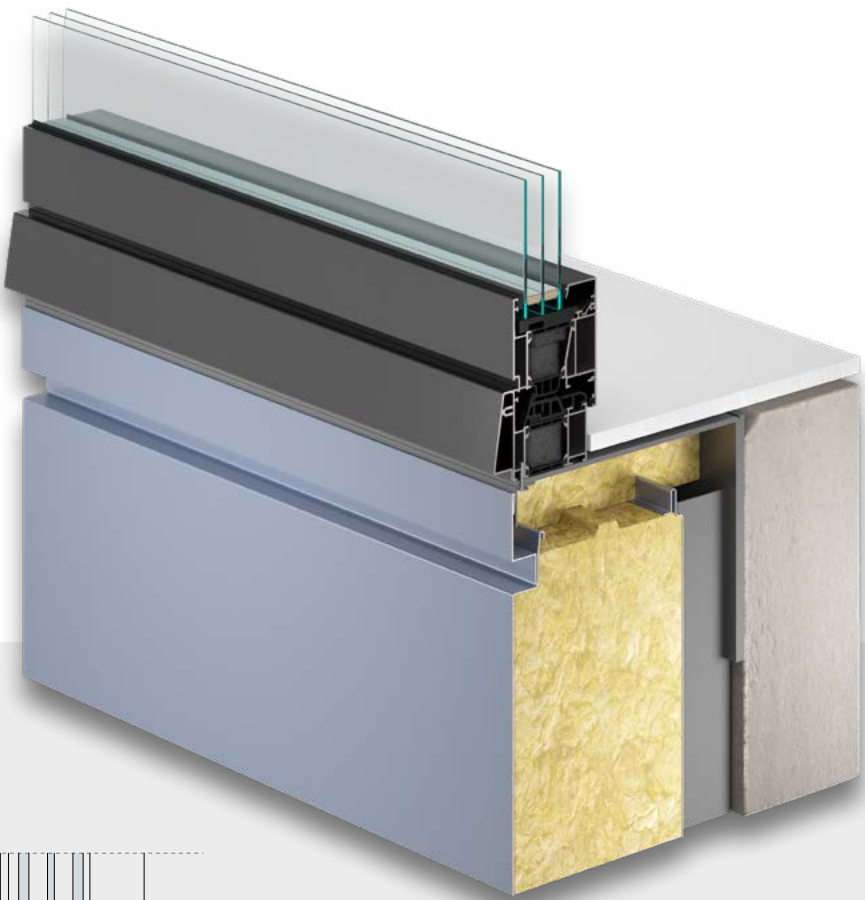
Head flashing

Plinth profile



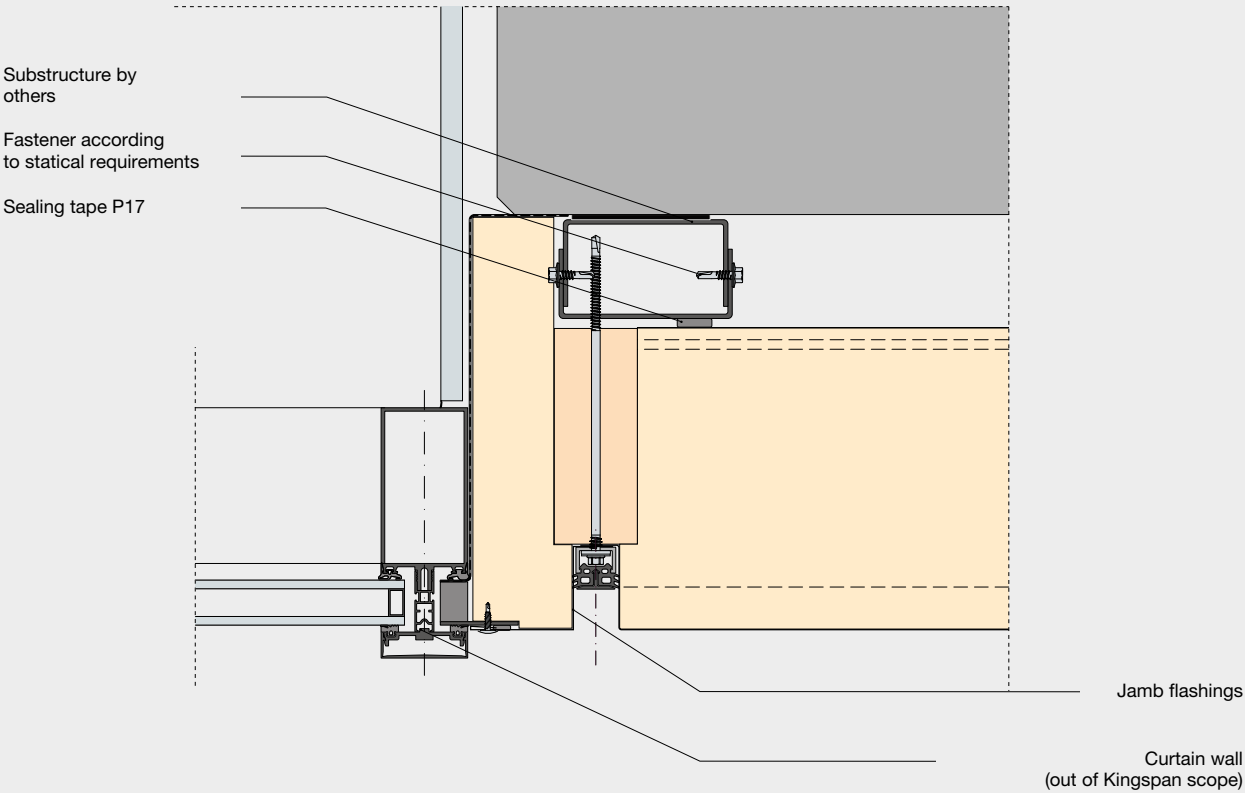
All technical information is subject to alterations. Errors and omissions excepted.

Window Sill Detail
Horizontal application



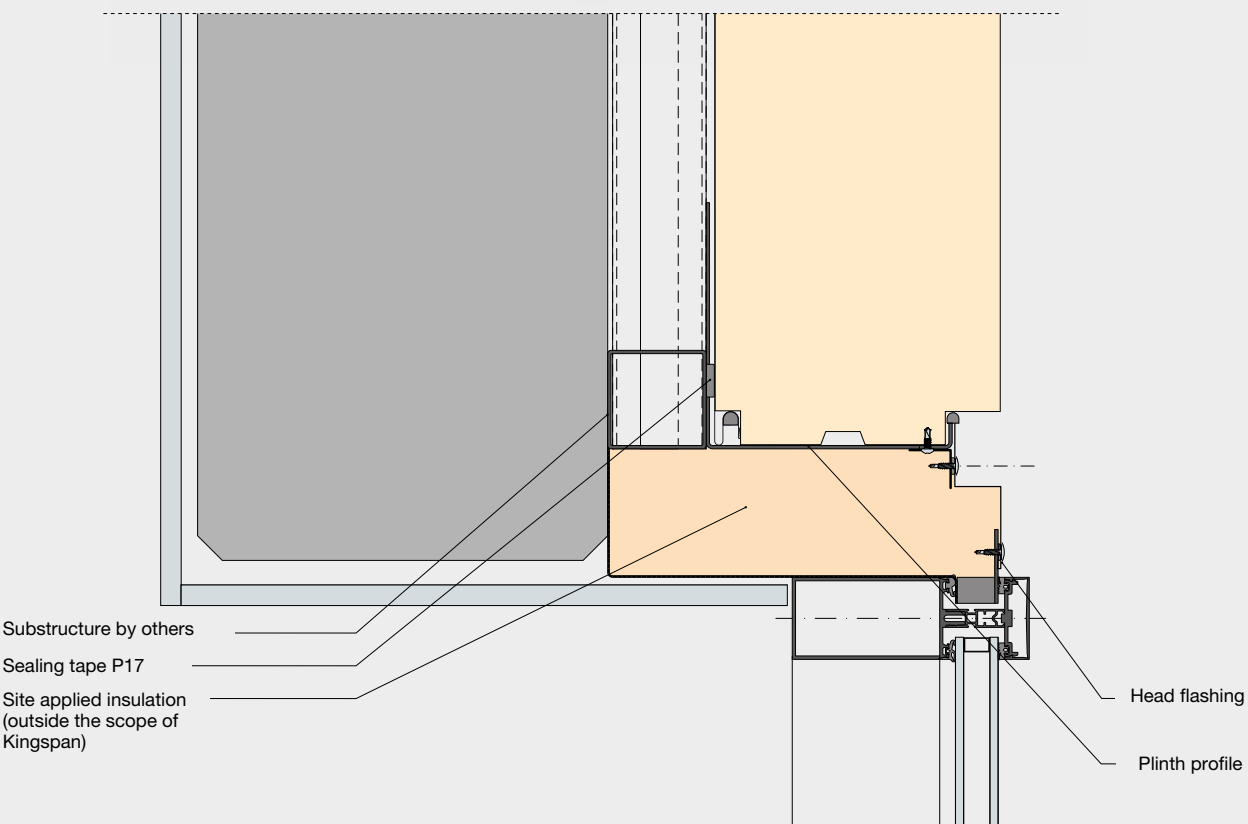
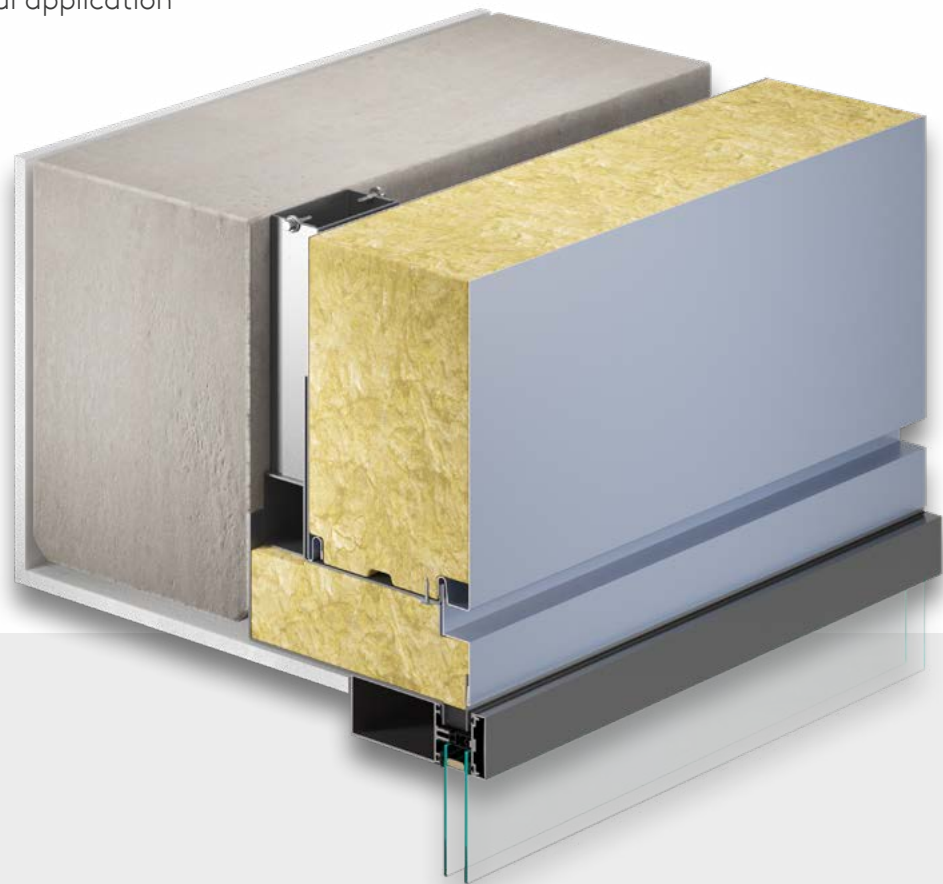
Wszystkie informacje techniczne mogą ulec zmianie. Nie ponosimy odpowiedzialności za ewentualne błędy i pominięcia.

Curtain Wall - Jamb Detail
Horizontal application



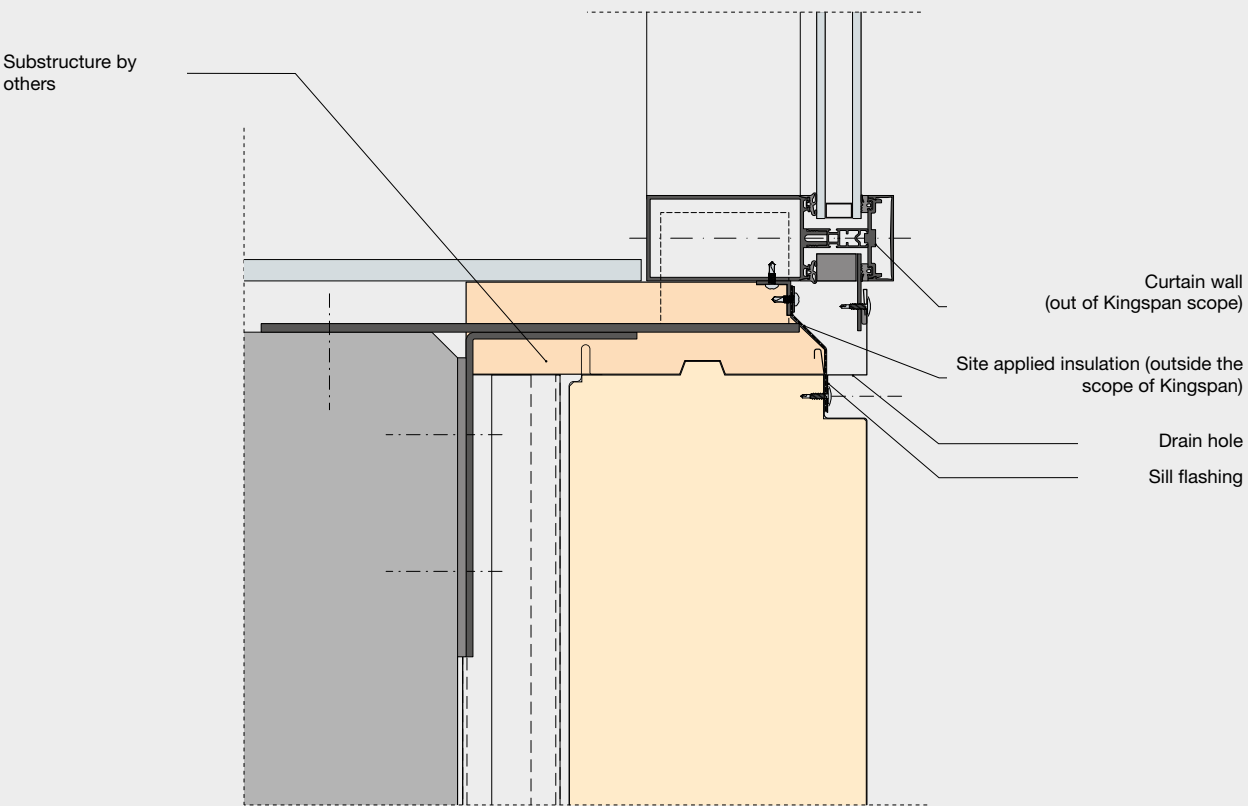
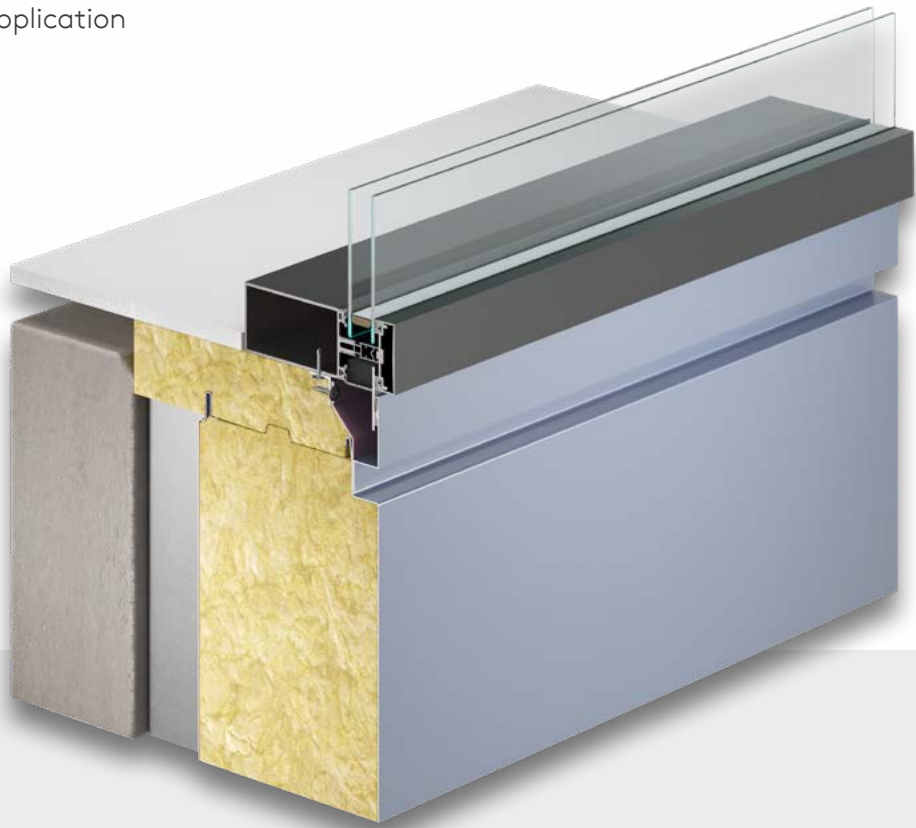
All technical information is subject to alterations. Errors and omissions excepted.

Curtain Wall - Head Detail
Horizontal application



All technical information is subject to alterations. Errors and omissions excepted.

Curtain Wall - Sill Detail
Horizontal application



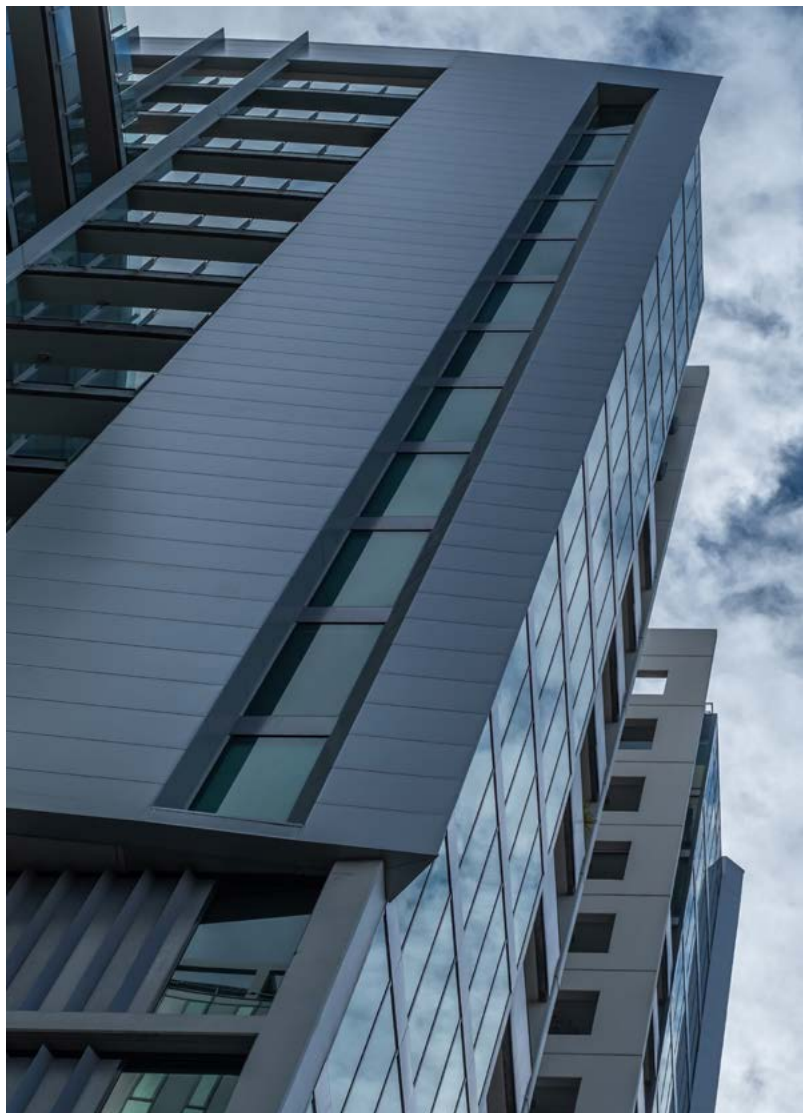
All technical information is subject to alterations. Errors and omissions excepted.

Projects gallery





Aurora apartments
Melbourne, Australia
—
Product
Evolution



Hastings district court

Hastings, New Zealand

—
Product
Evolution



EME AERO service center

Jesionka, Poland

Product
Matrix

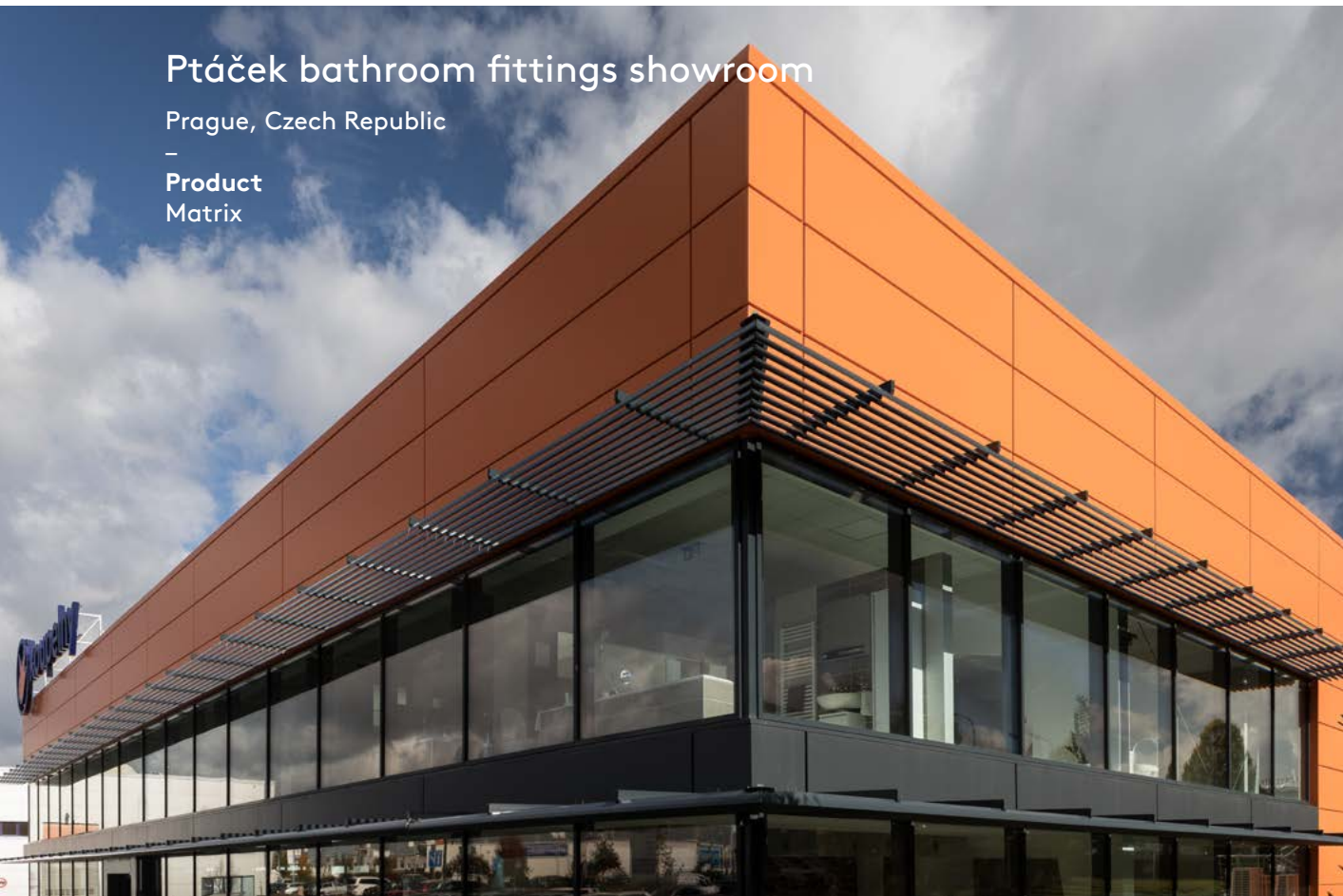
Evolution & Matrix
Architectural Facade Systems



Ptáček bathroom fittings showroom

Prague, Czech Republic

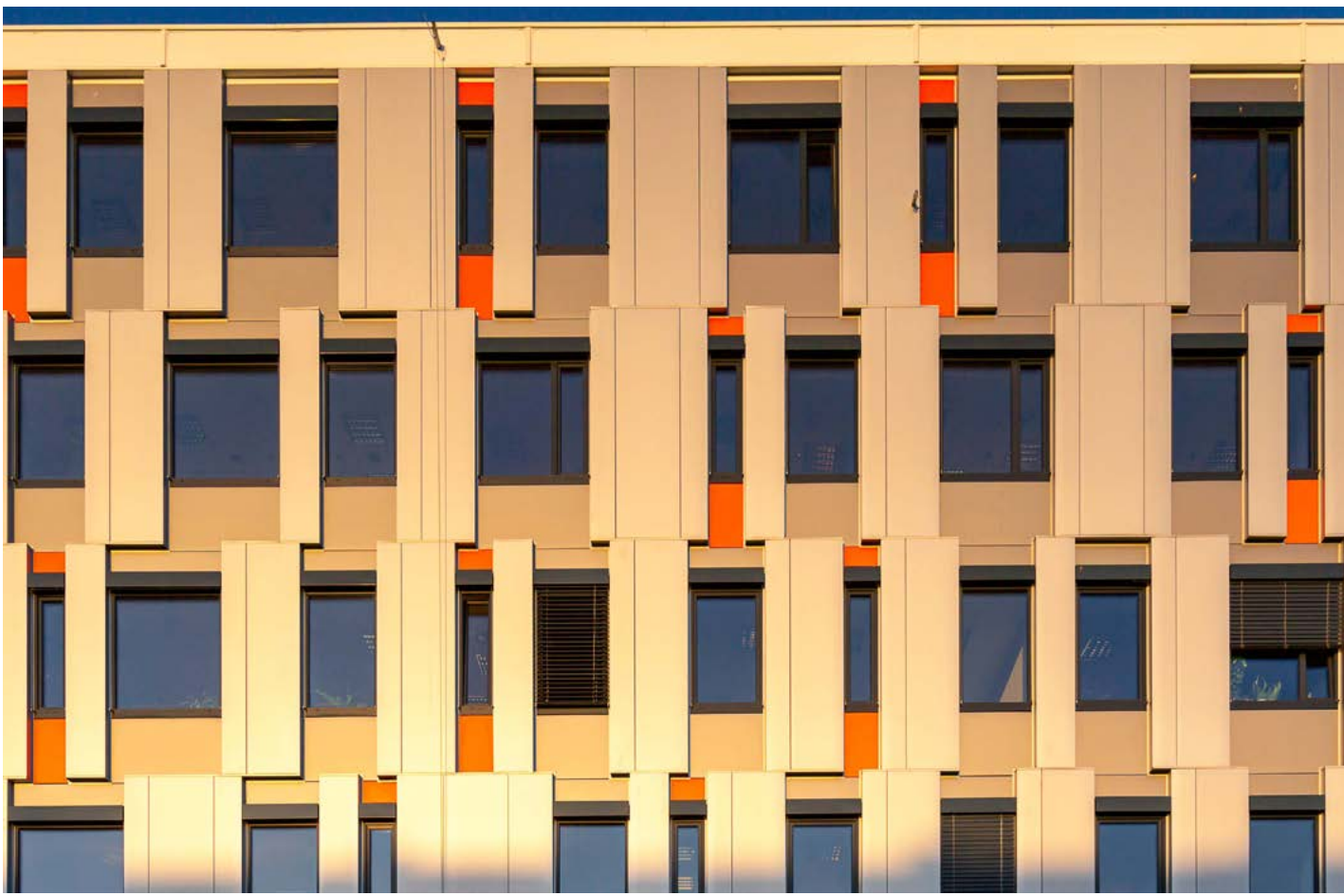
—
Product
Matrix



Car showroom - Toyota

Dublin, Ireland

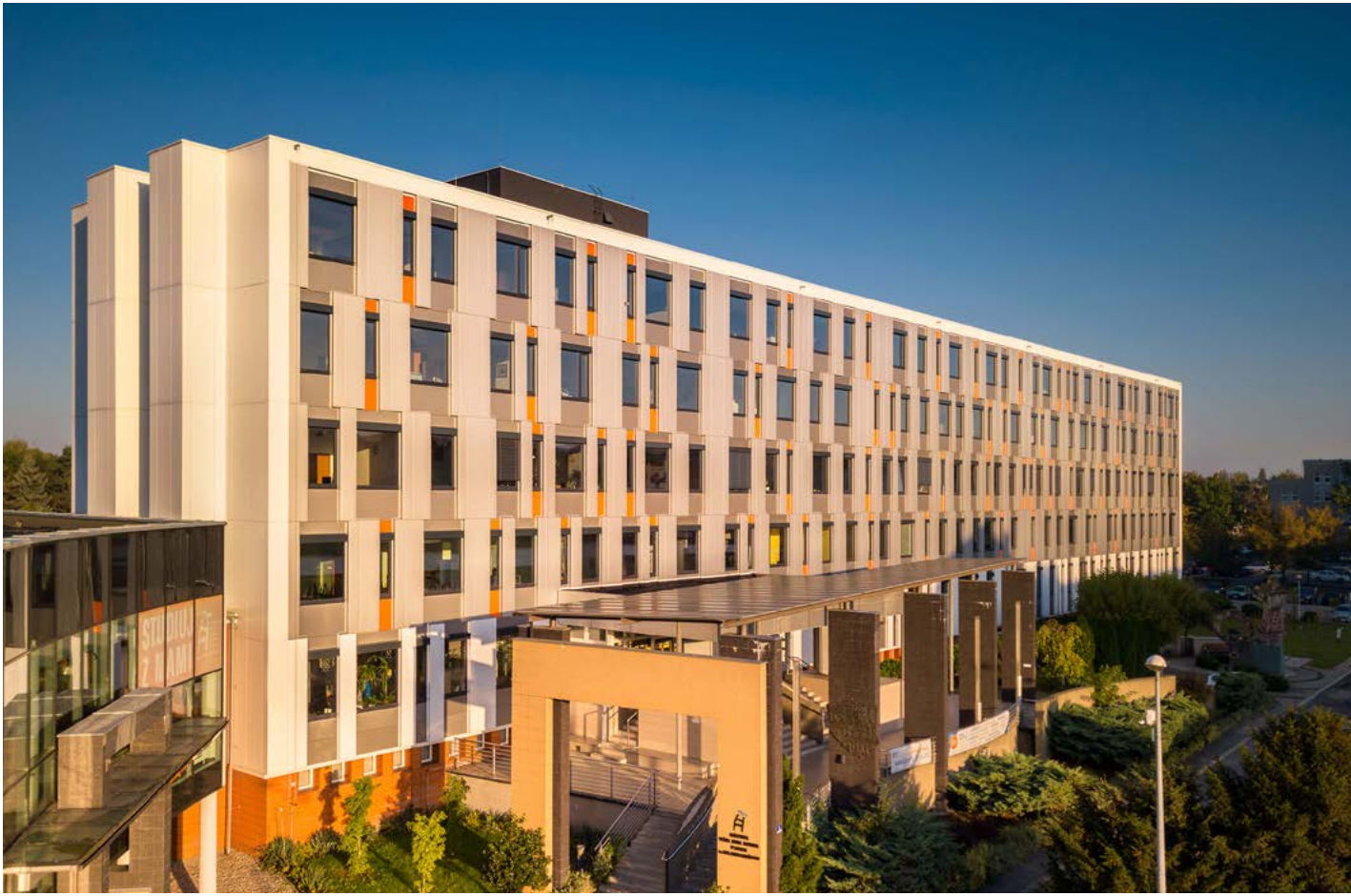
—
Product
Evolution



State Higher Vocational School

Leszno, Poland

Product
Evolution





The local Fazantenhof cultural center

Lochristi, Belgium

Product
Evolution

Car showroom - Auto Centrum LIS

Kalisz, Poland

—
Product
Matrix

Evolution & Matrix
Architectural Facade Systems



Australian National Maritime Museum

Sydney, Australia

—
Product
Evolution





Fire Station
Äänekoski, Finland
—
Product
Evolution



Nexen Tire headquarters

Žatec, Czech Republic

—
Product
Evolution



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For the product offering in other markets please contact your local sales representative or visit www.kingspan.com

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