

Architectural Solutions  
Germany

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# Architectural Solutions Product Portfolio

Rainscreen Facades / Modular Facade Systems /  
Architectural Roofing Systems

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# Architectural Solutions

The Kingspan Facades and Architectural Roofing product portfolio focuses on providing a range of visually appealing, tested and certified high performance and rapid install envelope solutions for three key building areas; **rainscreen facades**, **modular facade systems** and **architectural roofing systems**.

Kingspan Architectural Solutions provide architects, designers and building owners with the tools to create landmark buildings with all the aesthetics of leading, cutting-edge design coupled with highest thermal performance, fire protection and technical functionality.

30

years experience



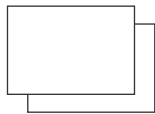
20+

countries



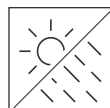
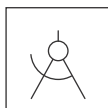
100+

facade and  
roofing solutions



# Services we Offer

Our Technical Services Team are here to assist you on your project with advice and support.

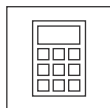


## Planning and Specification

- Product selection, construction details
- BIM and CAD files, tender text

## Performance

- Fire ratings, thermal performance
- Structural values, corrosion resistance



## Loads and Cladding

- Span performance and calculations
- Cladding plans

## Documentation

- Certificates, EPDs
- CAD, BIM



# Evolution

## Modular Facade System

### Fast track, single component installation

Evolution has the aesthetic appeal of a super-smooth aluminium rainscreen facade with the added value of an insulated panel. Laid vertically or horizontally panels integrate easily with other products, corners, windows or doors and are available in a wide range of colours and surface textures.

Evolution offers endless design possibilities: from joint options to reveals and flexible installation.

#### Joint Options



Q2a



Q2a



Inline Silver



Inline Black



Q2



Reveal Options

POWERED BY  
**QuadCore™**  
TECHNOLOGY





# Dri-Design Rainscreen Facade

## The revolution in rainscreen facades

For buildings with complex designs, high aesthetics or requiring a ventilated facade, our system provides a rapid build solution with a high level of technical performance. We can achieve this with our patented SuperFast Install Dri-Design metallic rainscreen cassette.

### Options



Flat



Tapered



Shadow



Perforated



# Substructure

## Rainscreen Facade

We offer a variety of options as substructures for our rainscreen facade solutions.

The modular Karrier systems consist of a unique insulated panel which has been specifically designed and tested to support a variety of facade finishes.

It is quick and easy to install and available with both A-rated and advanced insulation cores. The insulation board and slab system with the advanced insulation core is used for the traditional built-up systems.

### Karrier Systems



#### Advanced Insulation Core – QuadCore™ Karrier

QuadCore™ Karrier is a lightweight, proven factory-engineered building system which comprises individual high-performance insulated panels designed to support facades. Karrier provides a weathertight building envelope in a fraction of the time of other systems.

- Continuous insulation
- Fastest build speed and ease of install
- Thermal conductivity as low as 0.018 W/m-K
- Fibre free



#### PIR Insulation core – IPN Karrier

IPN Karrier is a lightweight, proven factory-engineered building system with an IPN (PIR) insulation core.

- Continuous insulation
- Thermal conductivity as low as 0.018 W/m-K
- Fibre free



#### A-Rated Insulation Core – K-Roc Karrier

K-Roc Karrier is an interlocking, stone wool core insulated panel designed to support the rainscreen system, creating a weathertight building envelope early on in the build programme.

- Build speed
- Installability
- Thermal conductivity as low as 0.043 W/m-K
- Notional period of fire resistance of up to 180 minutes integrity and insulation

### Insulation Board for Traditional Built-up Systems



#### Advanced Insulation Core – Kooltherm® K15

Kingspan Kooltherm® K15 Rainscreen Board is a premium-performance insulation with a fibre-free rigid thermoset phenolic core suitable for use behind rainscreen cladding systems. It is manufactured with a blowing agent that has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP).

- Lightweight
- Thermal conductivity as low as 0.020 W/m-K
- Ideal for refurbishment and new build
- Fibre free

# KingZip

## Architectural Roofing System

### Bringing Art and Architecture Together

Our KingZip Freeform Building Envelope Solutions enable you to fulfil design intent with total flexibility from initial form finding to construction without compromise. KingZip Linea and Infiniti are manufactured on-site, from 1 metre up to 150 metres, allowing envelopes to be constructed using very long sheet lengths, eliminating the need for any endlaps and considerably increasing speed of construction.

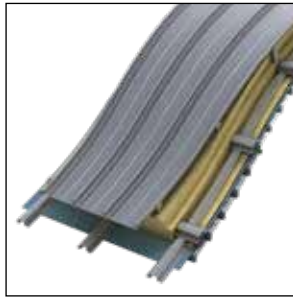
#### Benefits

- Advanced structural, thermal, acoustic and fire performance
- Interlocking seams offering exceptional long term weatherisation and durability

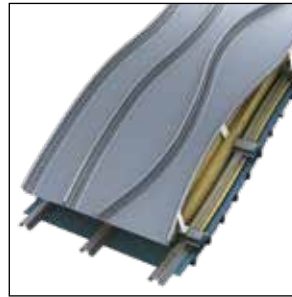
#### Options

Our systems are available in two application formats:

- KingZip Linea for 2D;
- KingZip Infiniti for full 3D geometric envelope capability.



KingZip Linea



KingZip Infiniti



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## Germany

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For the product offering in other markets please  
contact your local sales representative or visit  
[www.kingspan.com](http://www.kingspan.com)

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