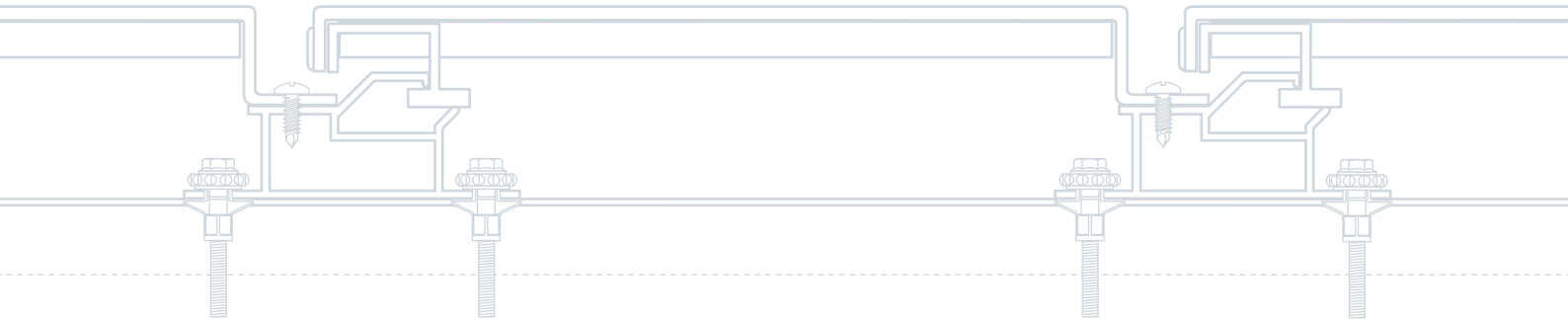


INSULATED WALL & FAÇADE SYSTEM



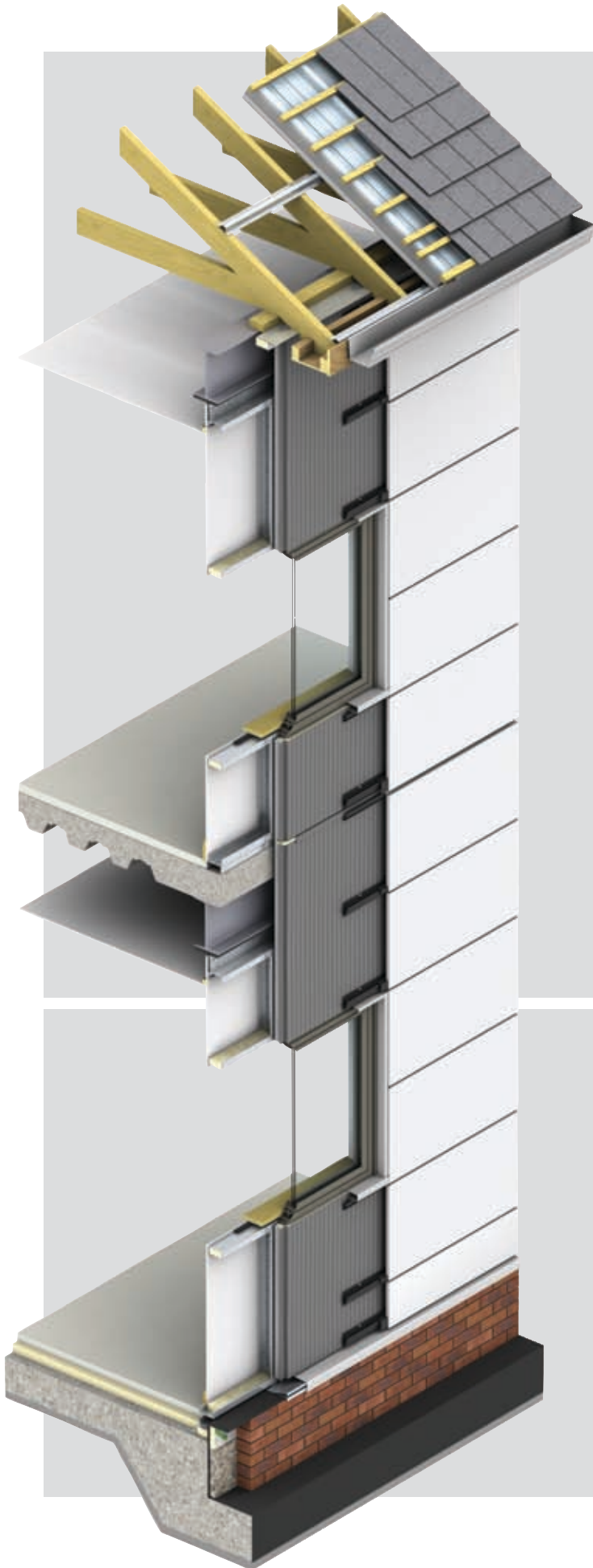
Kingspan Thermatallic™

Complete Wall & Façade System



Approved to LPS 1181
Certificate No. 186a & 260a





Introduction

Kingspan Thermatallic™ is a unique system that combines all the benefits of insulated panel construction, with the flatness and attractiveness of an Aluminium Composite Material (ACM) façade.

The Kingspan Thermatallic™ complete wall & façade system offers the ideal solution for all projects such as apartments, offices, retail, leisure, education and healthcare projects and is suitable for both refurbishment and new build projects.

Benefits

Complete Wall & Façade System

The Kingspan Thermatallic™ complete wall & façade system provides a strong, aesthetically pleasing finish with regulation compliant insulation built-in. Benefits include:

- Design flexibility - all the Kingspan Complete Wall & Façade Systems can be easily integrated with each other.
 - Single point responsibility - one contractor installing both wall and façade.
 - Fast installation, allowing other services to gain access sooner.
 - Removes metal façade from the critical path.
 - Clear simple pricing structure providing a cost effective solution.
 - Property & Business Protection - Loss Prevention Certification Board (LPCB) LPS 1181 Grade EXT-B certified insurer approved **FIREsafe** systems deliver certainty of performance and insurability.
 - **ECOsaf**e, environmentally sustainable PIR insulation core, low GWP (Global Warming Potential) and non-deleterious.
 - Full system available with the Kingspan Total Panel Guarantee, offering up to 25 years thermal and structural performance guarantee.
 - Simple detailing to maximise air leakage performance.
- Full installation training and technical support available.
 - System fully tested to the Centre for Window and Cladding Technology (CWCT) standards.
 - Easily integrates with other elements such as doors, apertures, brick/stonework and glazing.
 - **FIBREfree** - No threat of loose fibres into internal environment.

The paper we have printed on is from 80% post-consumer waste and the remaining 20% pulp is TCF (Totally Chlorine Free). This fibre is FSC certified (see fsc.org for details). In recognition, the range has been awarded both the NAPM and Eugropa recycled marks, two of the most prestigious and recognisable recycled certificates available. The ink we have used is vegetable based, allowing the document to be recycled.



Sustainable Forest



Recyclable



Vegetable Based



Kingspan Thermatallic™ Façade

The ACM used to produce the metal cassettes for Kingspan Thermatallic™ is formed from two aluminium sheets which are fully bonded to a high performance polyethylene core. Benefits include:

- A high level of flatness and stability.
- Available in a range of cassette sizes and brilliant colours.
- Extremely weatherproof, impact resistant, break-proof and vibration-damping.
- Secret fix only so no visible fasteners.
- Individual panels can be removed and replaced as necessary.

Dimensions

Maximum cassette module 3800mm length* x 1200mm height.

Face panel 4mm thick.

*Dependent on colour specified, please contact Kingspan **envirocare**™ Technical Services for more information.

General Characteristics

ACM Façade

A composite material consisting of two 0.5mm aluminium cover sheets of Peraluman alloy - 100 (AlMg1), EN AW - 5005 A according to BS EN 485-2, (Aluminium and aluminium alloys. Sheet, strip and plate. Mechanical properties), fully bonded to a 3mm polyethylene core.



Aluminium Secondary Rail System

The extruded aluminium secondary rail system is tested to BS 1474: 1987 (Specification for wrought aluminium and aluminium alloys for general engineering purposes) in 6063/T6 grade alloy. Powder coated black.

Attachment

The extruded aluminium clips tested to BS 1474 in 6063/T6 grade alloy are secured to the ACM façade panel using aluminium rivets and a polyurethane facade adhesive. Cassettes are secured to the aluminium secondary rail system using self-drilling / self-tapping stainless steel fasteners. The secondary rail system is securely fastened to the insulated wall panel with expanding self-fixing aluminium and stainless steel fasteners.

Fire

The ACM façade panels have a Class 1 fire rating to BS 476 - 6: 1989 (Fire tests on building materials and structures. Method of test for fire propagation for products) and BS 476-7: 1997 (Fire tests on building materials and structures. Method of test to determine the classification of the surface spread of flame of products). The ACM façade panels are Class 0 as defined by Building Regulations.

Kingspan Support

Kingspan **envirocare**™ Technical Services offer technical advice and support throughout the design and construction process. From the undertaking of Energy Performance Calculations to the creation of project specific NBS specifications, Kingspan **envirocare**™ Technical Services can help to ensure that your building complies with the building regulations.

envirocare
TECHNICAL SERVICES

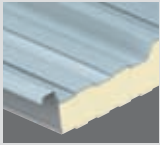
0 8 0 0 5 8 7 0 0 9 0

Kingspan's Field Service Engineers offer free contractor training on the installation of new and existing products at our specially designed Kingspan energi centre in Holywell, North Wales and at Kingscourt, Ireland. They also offer a site inspection service throughout the construction stage and can also offer advice on mechanical handling solutions.

Kingspan Insulated Roof, Wall & Façade Systems

Roof Systems

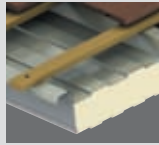
KS1000 RW
Trapezoidal



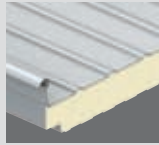
KS1000 SF
Secret Fix



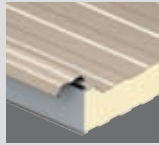
KS1000 TS Slate
& Tile Support



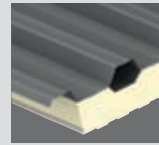
KS500/1000 ZIP
Kingzip® Standing
Seam



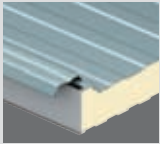
KS1000 LP
Lo-Pitch



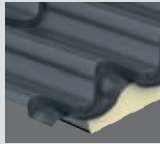
Kingspan
EnergiPanel™



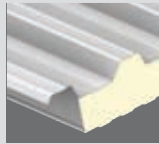
KS1000 CR
Curved Roof



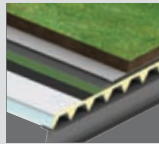
Kingspan
Roof Tile



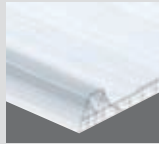
KS1000 FC
Box Profile



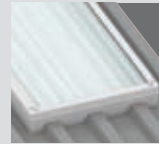
Kingspan
Envirodek™



Kingspan
Polycarb Rooflight



Kingspan
Upstand Rooflight

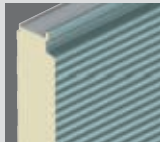


Wall & Façade Systems

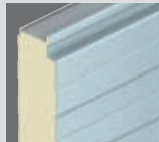
KS600, 900
& 1000
Optimo™



KS600, 900
& 1000 MR
Micro-Rib



KS600, 900
& 1000 EB
Euro-Box



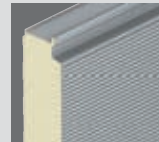
KS600, 900
& 1000 FL
Flat



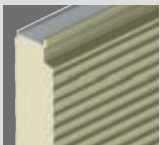
KS600, 900
& 1000 FL-S
Stucco



KS600, 900
& 1000 MM
Mini-Micro



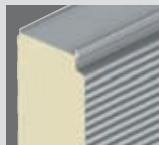
KS600, 900
& 1000 CX
Convex



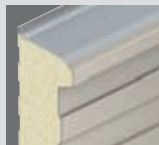
KS600, 900
& 1000 WW
Wave



KS600, 900
& 1000 LS
Longspan™



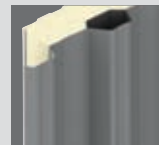
KS1000 RW
Trapezoidal



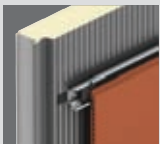
KS1000 FC
Box Profile



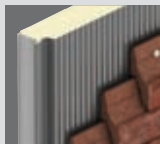
Kingspan
EnergiPanel™



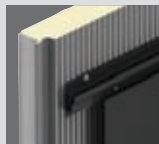
Kingspan
Thermatile



Kingspan
Thermabrick™



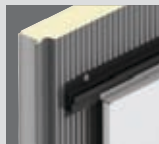
Kingspan
Thermastone



Kingspan
WoodTherm™



Kingspan
Thermatallic™



Kingspan
Render Panel

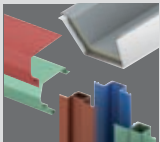


Kingspan
Wall-Lite



Ancillaries

Gutters, Tophats
& Flashings



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