AA®130 Brise Soleil System
Solar Shading for Reduced Solar Heat Gain

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Other brochures available on request from Kawneer are:
- Architectural Aluminium Systems Finishes
- Entrance Doors and Framing Systems
- Curtain Wall Systems
- Window Systems
- AA®601TE Parallel Opening Window
  The Optimum Ventilation Solution for Maximum Air Exchange
- AA®3610LS Linked Sash Vertical Sliding Window
  The Optimum Ventilation Solution for your Education and Health Projects
- Specialist Horizontal Sliding Window Solutions for your Healthcare Project
- Architectural Aluminium Glazing Systems Specification Guide

Specialist Kawneer Contractor:

Kawneer's continuous development and engineering programmes may bring about product changes. Kawneer reserves the right to introduce without notice such changes which will not detract from the product's performance.

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Introduction
Kawneer is one of the UK’s leading architectural aluminium glazing systems manufacturers. We have a long track record of successful project delivery in various markets including, Commercial, Residential, Health and Education, providing best value and best practice solutions.

AA®130 Brise Soleil System
Kawneer’s Curtain Wall, Window and Framing Systems can accommodate our AA®130 Brise Soleil System which adds a stunning design statement to the building façade; optimising the natural daylight within a building whilst limiting the solar heat gain and glare to provide optimum comfort for residents.

The AA®130 Brise Soleil System consists of aluminium blades which are available as standard and bespoke variants to suit any project application where solar heat and glare is an important consideration.

Performance
Use of solar shading on building façades to limit the building’s solar heat gain can contribute to the thermal performance of the building by:

- Reducing the energy consumption (due to air conditioning)
- Allowing greater use of natural ventilation
- Limiting direct solar radiation whilst maintaining natural light levels

Aesthetics
The AA®130 System offers a range of extruded aluminium sections in a variety of shapes, sizes and colours to suit specific building requirements and increase the aesthetics of the façade.

Sustainability
Aluminium is one of the best materials available for construction. Aside from its practical and energy-saving advantages, it can be recycled repeatedly without loss of properties using just 5% of the energy originally used to mine, smelt and produce it. Aluminium’s natural strength, lightness and durability makes it the ideal material for meeting architects glazing requirements.

For our own production, we use recycled aluminium billets 100% of the time.

For more detailed information on our sustainability credentials, a Sustainability Brochure can be downloaded from our website: www.kawneer.co.uk

Conclusion
The AA®130 System consists of aluminium blades, brackets and outriggers, supporting arms and connections to the façade.
Wide Range of Aluminium Profiles to suit any Project Application

Integrated Brise Soleil

The Kawneer AA®130 Brise Soleil System is fully compatible with the AA®100/AA®110 and AA®201 Curtain Walling Systems, the 451PT and AA®4001 Framing Systems and AA®600TE and AA®600TE™ Window Systems.

Integration with the systems is achieved using specially designed connection brackets, designed to offer ease of installation for even the most demanding projects.

Typical Connection Brackets and Single Blade Combinations

Typical Outrigger Blade Combinations

Note: Brackets supplied by Kawneer

* For Outrigger Only

Note:
Maximum Spans are based on a Pressure Limitation of 800Pa at an angle of 45°

Please refer to Section B of the AA®130 Brise Soleil Product Manual for further Span Dimensions
Kawneer Permacover™ is a high quality polyester powder paint finish, offering over 130 standard and 31 metallic paint colours and providing outstanding resistance to environmental conditions. Kawneer Permacover™ has 30 year gloss and a 30 year matt and metallic guarantees subject to application and Kawneer acceptance in marine, industrial, swimming pools or other aggressive atmospheres.

Kawneer Permanodic® is a range of subtle co-ordinated colours which have been researched and developed for architectural systems. Kawneer Permanodic® is a tried and tested anodising process, proven in accelerated laboratory tests, extensive field trials and contract experience. Subject to compliance with Kawneer’s requirements, a 25 year finishes guarantee can be obtained from our Head Office.

Kawneer’s regionally based team of Architectural Advisors and the Architectural Services Team based at our Head Office in Runcorn are able to provide project advice and support:

Tel: 01928 502604 / Fax: 01928 502512
Email: kawneerAST@alcoa.com

Information on Kawneer’s extensive range of Curtain Wall, Window, Framing and Door solutions can also be obtained from our Head Office by calling:

Tel: 01928 502612

Kawneer UK Ltd is part of Alcoa Building and Construction Systems, and enjoys the extensive resources of the entire Alcoa organisation, allied to the specific glazing systems experience of Kawneer’s many operations around the world. As a result of this our partners and customers have direct access to one of the largest pools of technical expertise in the construction industry.