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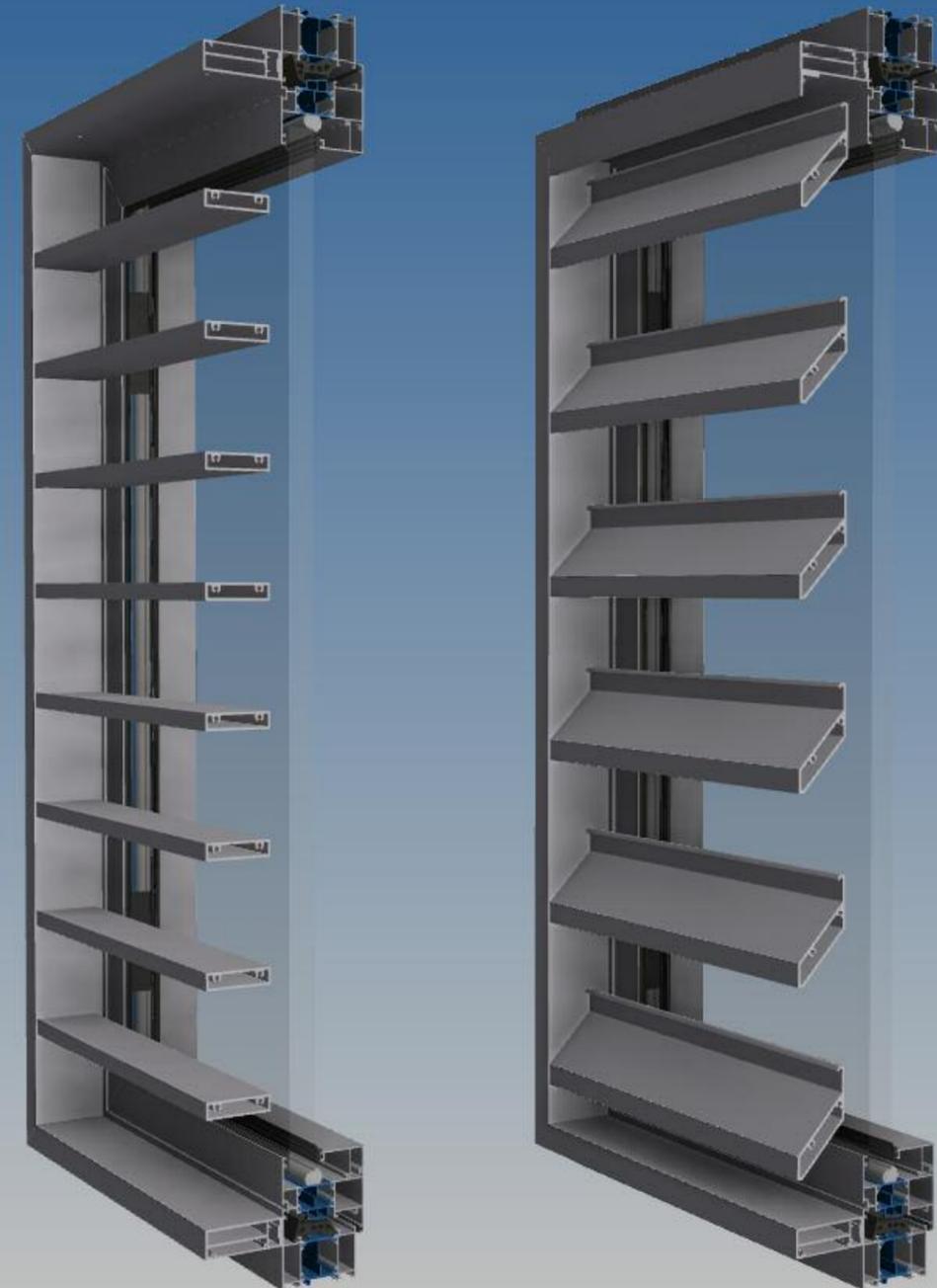
Other brochures available on request from Kawneer are:

- Architectural Aluminium Systems Finishes
- Door Systems
- Framing Systems
- Curtain Wall Systems
- Unitised Curtain Wall Systems
- AA®130 Brise Soleil System
Solar Shading for Reduced Solar Heat Gain
- Window Systems
- Juliet Balcony
- Sliding Solutions
- Residential Aluminium Glazing Systems
- Specialist Horizontal Sliding Window Solutions for your Healthcare Project
- Fire Resistant Systems
- The Architects Guide to Aluminium in Building
- Sustainability
- Maintenance and Cleaning



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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LouvreShield



LouvreShield

Introduction

LouvreShield is designed to suite with Kawneer's AA®720 and AA®543 Open-In Windows. It offers a simple and aesthetic solution for providing both ventilation and fall protection and is ideally suited for domestic, residential (including student accommodation), retail and commercial applications.

It is surface mounted onto the outer frame of the window and allows free air movement into the room when the windows are operated in either the tilt or turn modes. Additionally, the louvre can function as a safety barrier when the windows are operated in the turn mode and if conditions dictate that fall protection is required.

Two blade options are available to suit specific building requirements and increase the aesthetics of the façade.

LouvreShield is a totally self-contained solution that completely eliminates the need for additional sub-contractor work and does not interface with any other element of the building structure.

LouvreShield has been fully tested in accordance with BS 6180 (Barrier Loading) to 1.5 kN/m Line Load and with BS EN 13049 (Impact Resistance) achieving Class 5.

Product Features and Benefits

- Suites with the AA®720 and AA®543 Open-In Windows
- Louvre spacing to meet specific free area requirements
- Fall protection
- Two blade options available for increased aesthetics of the façade
- A wide range of polyester powder paint finishes with up to 30 years guarantee and a range of anodised finishes with up to 25 years guarantee
- Glazing systems and Louvres from one manufacturer, offering design flexibility and total project solutions

Performance

LouvreShield, installed to Kawneer specifications, has been tested and certified in accordance with:

BS 6180 Line Load and Point Load

- Line Load: 1.5 kN/m
- Point Load: 1.5 kN

BS EN 13049 Impact Testing

- Impact Test: Class 5 (drop height 950mm)

Construction

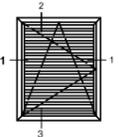
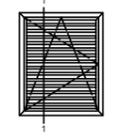
LouvreShield consists of a cleated and pinned perimeter frame. The louvre blades are screw splined for mechanical fixing to the perimeter frame. Clip covers are used to conceal all fixings. LouvreShield assembly is screw fixed to the window outer frame.

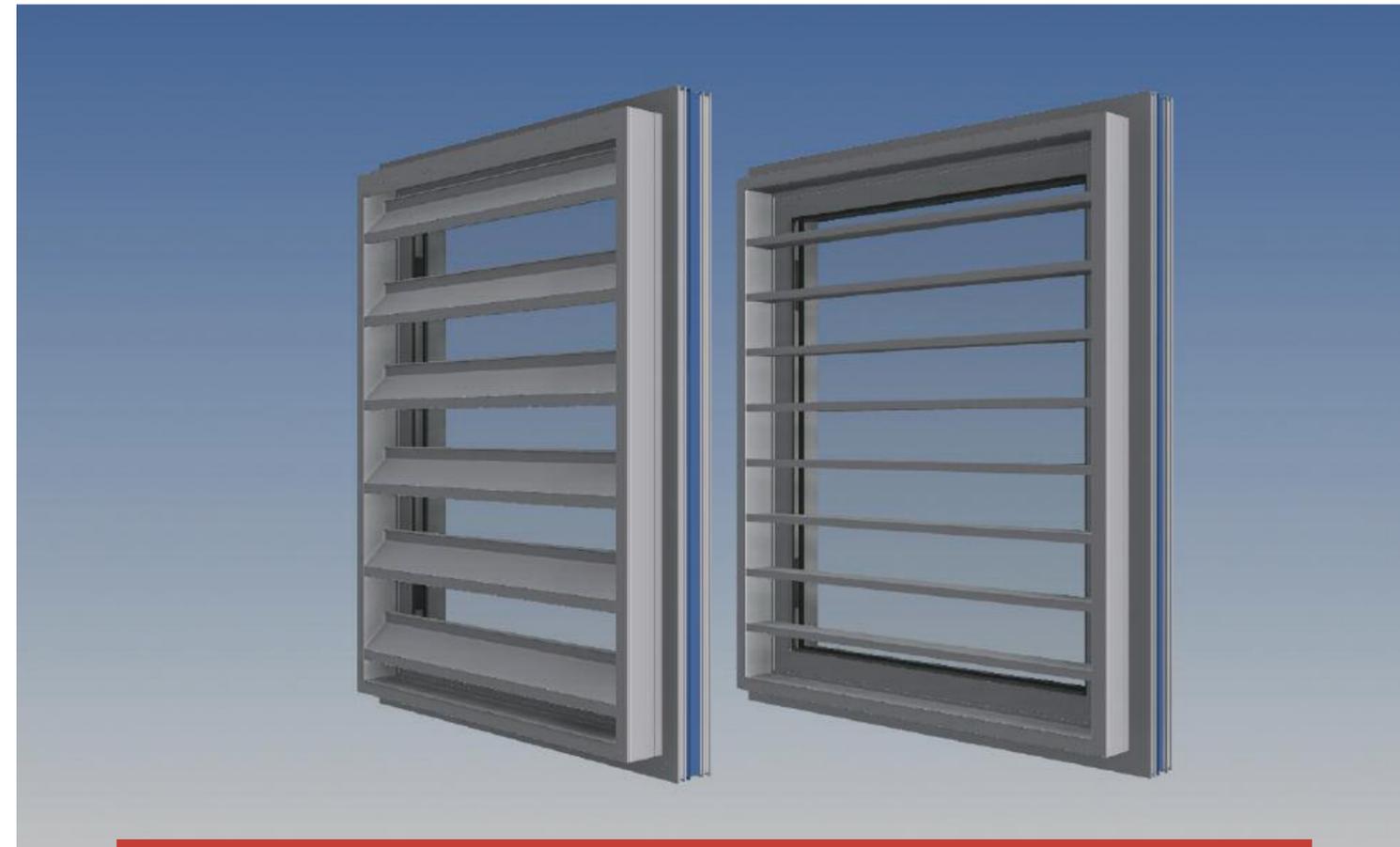


LouvreShield

Typical Elevations

Full details can be downloaded from our website www.kawneer.co.uk

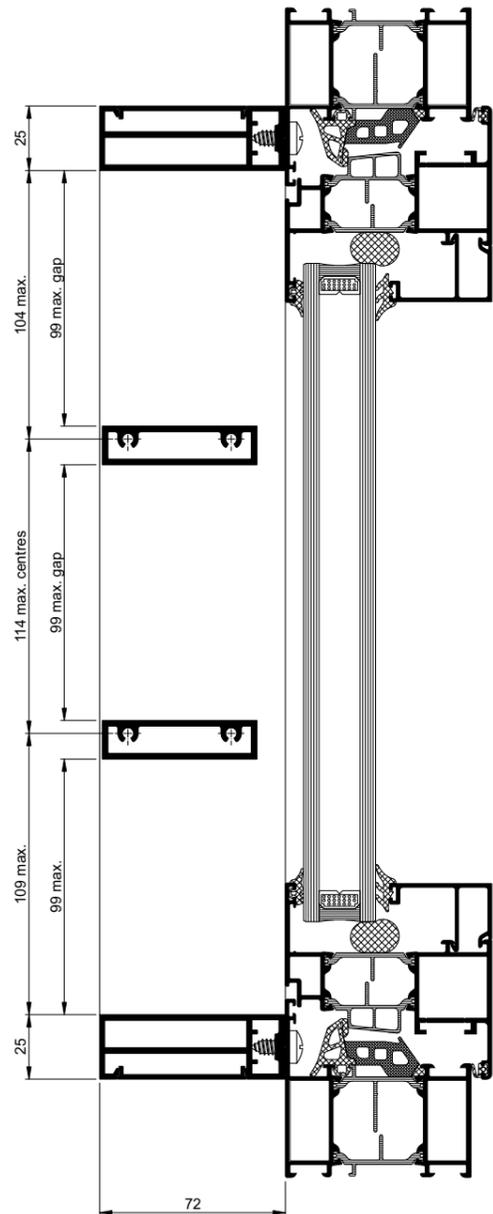
| Elevation | | Title | Website CAD ref. no. |
|---|---|---|----------------------|
|  | 1 | Louvre to frame, horizontal sections | H02.01, H05.01 |
| | 2 | Louvre to frame - head, vertical sections | H03.01, H06.01 |
| | 3 | Louvre to frame - cill, vertical sections | H04.01, H07.01 |
|  | 1 | Rectangular Louvre (guarding), vertical section | H08.01 |
| | 1 | Rectangular Louvre (non-guarding), vertical section | H09.01 |
| | 1 | 90mm Sloped Louvre (guarding), vertical section | H10.01 |
| | 1 | 90mm Sloped Louvre (non-guarding), vertical section | H11.01 |



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Rectangular Louvre Blade – Guarding

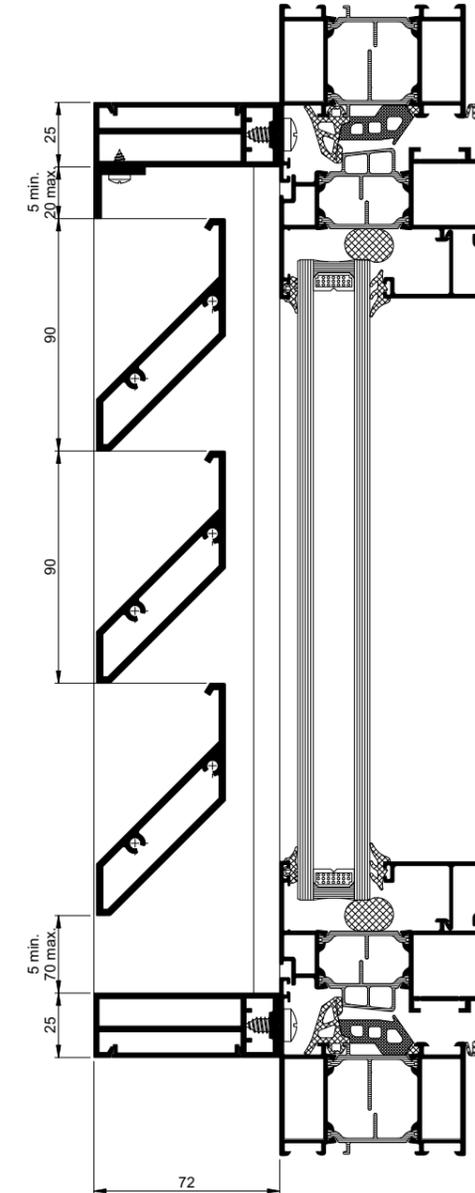


H08.01

LouvreShield

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90mm Louvre Blade – Guarding



H10.01

LouvreShield

For increased aesthetics to the façade of your building, two blade options are available. See the assembly illustrations below for the Rectangular Louvre Blade and the 90mm Louvre Blade.



Rectangular Louvre Blade Assembly



90mm Louvre Blade Assembly

Supporting Your Projects



Authorities

- ISO 9001
Quality Management System
- BS EN 12020
Extruded precision aluminium profiles
- BS EN 12206-1
Paint and varnishes. Coating of aluminium and aluminium alloys for architectural purposes
- BS 3987
Specification for anodic coatings
- BS 6180
Barriers in and about buildings – Code of practice
- BS EN 13049
Soft and heavy body impact – Test method, safety requirements and classification
- BS 6262-4
Glazing for buildings – Part 4: Safety related to human impact – Code of practice
- BS 6206
Impact Performance requirements for flat safety glass and safety plastics for use in buildings

A full range of guaranteed colours available

Established in the UK for over 50 years and powder coating profiles at its Runcorn base for 40 years, Kawneer has deep knowledge and experience in the specification and application of colour and paint systems.

The existing powder coating facility was converted to 'chrome free' – the first existing plant in the UK to be upgraded to this environmentally friendlier pre-treatment system – which gave Kawneer additional impetus to become a QUALICOAT approved applicator.

Quality and consistency of quality continues to be the main feature of QUALICOAT UK & Ireland, which includes third party testing of all certified powder formulations and pre-treatment systems that make up the QUALICOAT approval process. Kawneer has achieved 'Seaside' specification standard with this third party accreditation programme.

Kawneer Permacover™ is a high quality polyester powder paint finish, offering a wide range of solid and metallic colours providing outstanding resistance to environmental conditions. Kawneer Permacover™ has a 15 year gloss and 30 year matt and metallic guarantees subject to application and Kawneer acceptance in marine, industrial, swimming pools or other aggressive atmospheres.

To ensure the highest quality finish, powder coating is carried out in house as part of our single-source responsibility.

Kawneer Permanodic® is a range of subtle anodised colours which have been specifically developed for architectural glazing 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.

Project Assistance

Kawneer's regionally based team of Architectural Advisers 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@arconic.com

Information on Kawneer's extensive range of Curtain Wall, Window, Framing, Door, Fire Resistant and Sliding Solutions can also be obtained from our Head Office by calling:

Tel: 01928 502612

Kawneer UK Ltd is part of Arconic Building and Construction Systems, and enjoys the extensive resources of the entire Arconic 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.