Entrance Doors and Framing Systems

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Other brochures available on request from Kawneer are:
- Architectural Aluminium Systems Finishes
- AA®3572 Lift/Slide Door System
  The Panoramic Solution for Maximum Comfort and Ease of Operation
- Curtain Wall Systems
- AA®130 Brise Soleil System
  Solar Shading for Reduced Solar Heat Gain
- Window Systems
- AA®601TE Parallel Opening Window
  The Optimum Ventilation Solution for Maximum Air Exchange
- Residential Aluminium Glazing Systems
- 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
- Fire Resistant Systems
- Architectural Aluminium Glazing Systems Specification Guide
- Sustainability: Our Total Commitment

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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April 2013
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Introduction

Kawneer, a global systems company

Kawneer offers a comprehensive range of architectural aluminium building products and systems for commercial construction-entrances, framing systems, windows and curtain wall systems.

Since its beginnings over a century ago, Kawneer has been recognized as an innovator. Through the years, we’ve balanced experience with innovation. We’ve listened to our customers, and we are dedicated to providing the tools our customers need to succeed.

Our unrivalled team has a wealth of experience working closely with architects, contractors and clients to develop project solutions from their earliest concepts. We are committed to injecting innovation into new product development to ensure our products meet the most exacting engineering and technical standards whilst overcoming sophisticated design challenges. Kawneer’s global design expertise, combined with aluminium’s flexibility and recyclability, makes our building systems and products the right solutions for today and tomorrow.

Committed to the success of your project

Kawneer products are made from materials of the highest quality and designed with the benefit of many years of construction experience. Because we control every stage of the process, from mining the bauxite ore through to designing individual systems, we offer a unique resource to architects and contractors. Our engineers and designers can support you through every stage of the design and installation process, ensuring a successful outcome.

Need something special?

Kawneer offers the world’s greatest pool of talent in architectural glazing systems, and we can design custom solutions that will help you to realise your most daring concepts. So don’t compromise - by working with Kawneer you can achieve a solution to your most challenging architectural concept.

Total Performance

High performance is an essential ingredient for all building components today – it is demanded by users and required by current building regulations. Throughout our history we have kept ahead of both the market and regulatory requirements to offer glazing solutions that surpass even the most demanding specifications, and our products meet or exceed all required standards of thermal performance. We have developed leading-edge production techniques to ensure that manufacturing efficiency is optimised, and environmental impact is minimised, and our right-first-time quality management systems have been devised to minimise waste and exceed the requirements of current ISO 9001 standards.

Why Aluminium?

Kawneer has been producing advanced glazing solutions in this versatile material for many decades. Aluminium is a near-perfect material for architectural glazing products, and has practical advantages over all other available choices, including inherent resistance to corrosion and very low whole-life costs. Aluminium is also an environmentally friendly material and possibly one of the best options for energy saving within the construction industry. In the building sector vast amounts of aluminium are collected for recycling, with rates as high as 92-98%, and more than 50% of the energy used in aluminium production comes from hydro-electric schemes.

Berkeley Square, Plymouth
Architects Design Group
Swing Doors
Curtain Wall
Casement Windows
Entrance Doors & Framing Systems

Standard Solutions

190 An all purpose narrow style door.
350 A heavy duty door for use in especially heavy traffic areas.
10D Designed to offer flexibility in design, durability and ease of installation.
AA*605TE A single action open-in or open-out swing door; designed to offer optimum weather and thermal performance at a competitive price.
AA*603TE Available in a variety of single or double tilt slide and fixed light combinations, providing flexibility to suit individual project requirements and is ideal for the high rise residential market.

Door Categories of Duty

The table below gives a guide to the door for each category - the descriptions and categories relate to the door construction and not necessarily the fittings.

<table>
<thead>
<tr>
<th>Door Type Guide</th>
<th>Category</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>190 Narrow Style</td>
<td>Light Duty (LD)</td>
<td>Low frequency of use by those of high incentive to exercise care, e.g. by private house owner with small chance of accidents occurring or misuse.</td>
<td>Internal doors in dwellings and external doors in dwellings providing secondary access to private areas.</td>
</tr>
<tr>
<td>350 Heavy Duty</td>
<td>Medium Duty (MD)</td>
<td>Medium frequency of use primarily by those with some incentive to exercise care, with some chance of accidents occurring or misuse.</td>
<td>External doors in dwellings providing primary access. Office doors providing access to designated public areas but not used by the public or people carrying or propelling bulky objects.</td>
</tr>
<tr>
<td>AA<em>605TE/AA</em>605TE™</td>
<td>Heavy Duty (HD)</td>
<td>High frequency of use by public &amp; others with incentive to exercise care, with chance of accidents occurring or misuse.</td>
<td>Doors of shops, hospitals and of other buildings which provide access to designated public areas &amp; which are used by the public &amp; others frequently carrying or propelling bulky objects.</td>
</tr>
<tr>
<td>350 Heavy Duty</td>
<td>Severe Duty (SD)</td>
<td>Subject to frequent violent usage.</td>
<td>Doors of stockrooms, etc, commonly opened by driving trolleys against them, doors in educational establishments subject to frequent impact by people.</td>
</tr>
</tbody>
</table>

The table has been reproduced with the permission of British Standards Institution (BSI). British Standards can be obtained from BSI Customer Services at 389 Chiswick High Road, London, W4 4AL. Tel: +44 (0) 20 8996 9001. Email: cservices@bsi-global.com
## Introduction
Kawneer design, engineer and manufacture complete door systems for any application. High standards of processing ensure equally high standards of performance throughout the lifetime of Kawneer products.

### 190 Narrow Style
All-purpose door, recommended for use in heavy traffic areas and automatic entrances. The 190 Door can be installed with the ‘Finger Guard’ option, which safeguards against injury to fingers accidentally caught between the hinge stile and frame.

### 350 Heavy Duty
A heavy duty door which provides extra width stiles for accommodation of varying lock options and heavy aesthetic appearance, providing the durability needed in high traffic areas.

## Construction
Kawneer door systems have been proved by stringent laboratory testing. Strong construction, quality materials, precision engineering, proven hardware and attention to detail are the dependable performance features found in all Kawneer door systems.

### ‘Dual Moment’ Corner Construction
The ‘Dual Moment’ welded corner is the strongest aluminium door construction available. All four corners are welded four times and fastened mechanically. Rigorous testing has verified its durability and exceptional strength.

## Security
Kawneer’s 190 Door has been tested to the PAS 24 Standard for the enhanced security performance of single and double leaf external doors, proven by stringent laboratory testing, carried out at the Building Research Establishment (BRE). The 190 Door meets light, medium and heavy use specifications and is suitable for internal and external doors in all types of buildings from dwellings right through to public use doors in offices, shops and hospitals.

## Product Features
- 190 Door independently tested to PAS 24 Standard
- ‘Dual Moment’ welded door construction
- Finger Guard Options (standard option on 190)
- Robust Door
- Internal and external applications
- Single, double action, auto swing and bi-parting doors
- Wide range of thresholds including low thresholds
- Special profiles available

## With the decisive advantage of ...
- Enhanced security performance of single and double leaf external doors
- Supported by a Kawneer Lifetime Guarantee offering peace of mind
- Protects against trapped fingers when opening and closing, a child-friendly feature
- Suitable for medium, heavy and severe duty applications
- Flexibility of design
- Offering flexibility for a wide range of solutions
- Document M compliant
- Powered operation
10D Door

Introduction
The 10D Door has been designed to offer flexibility in design, durability and ease of installation. The strength of the tie rod construction means the door provides an economic solution to light/medium traffic applications in a variety of markets, including retail, commercial and public sectors.

Size Limitations
Door Leaf Sizes (for all types)
Maximum Door Leaf Size
Height = 2200mm
Width = 1220mm
Area = 2.7m²
Minimum Door Leaf Size
Width = 450mm

Product Features
- Commercial Entrance Door
- Finger Guard Options
- Tie Rod Construction

With the decisive advantage of ... 
- Offering flexibility in design, durability and ease of installation
- Protects against trapped fingers when opening and closing, a child-friendly feature
- Improves strength of construction

10D Finger Guard
(Finger Guard Options must have a threshold)
**AA®545 Swing Door**

**Introduction**
The Kawneer AA®545 Swing Door completes the AA®540 Series Window & Door range and has been designed to offer optimum weather and thermal performance at a competitive price.

The AA®545 Swing Door is a high performance door which uses multi-chamber thermal break technology and a thermally enhanced centre seal, ensuring thermal efficiency and full compliance with Approved Document L. With the use of extruded gasket profiles, this system achieves its weathering performance by means of drained and ventilated glazing rebates.

Designed for direct fix into prepared openings and within ribbon windows, the range can suit with the Kawneer curtain walling and framing systems and is suitable for low or high rise buildings.

The AA®545 Swing Door is available as a single action open-in or open-out swing door and can be single or dual colour. It is suitable for both light and medium duty requirements, making it ideal for low to medium frequency use in dwellings and commercial applications.

**Construction**
The AA®545 Swing Door is a three chamber pressure equalised system crimped with mechanical corner cleats. Weathering is achieved by the use of single and dual durometer, EPDM gaskets.

**Security** *
The AA®545 Swing Door is completing a range of stringent laboratory tests carried out by a UKAS accredited testing authority which includes Air Permeability, Watertightness, Resistance to Windload and PAS 24 Standard for the enhanced security performance on single and double leaf external doors.

* Does not refer to standard hardware, security hardware required.

**Weather Performance**

**Air Permeability**
Class 4A

**Watertightness**
Class 9A

**Resistance to Windload**
Class AE2400

**U-values**

<table>
<thead>
<tr>
<th>Single - Open Out - Low Threshold</th>
<th>Centre Pane Ug W/m²K</th>
<th>Whole Door Uw</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.1 W/m²K</td>
<td>1.61 W/m²K</td>
</tr>
<tr>
<td></td>
<td>0.6 W/m²K</td>
<td>1.29 W/m²K</td>
</tr>
</tbody>
</table>

**Product Features**

- Insulated profiles – with multi chamber thermal break core
- Market leading thermal performance
- Market leading glass thickness capabilities
- Triple glazing up to 47mm
- Low (for easy wheelchair access) or barrier free/rebated threshold
- Low threshold provides improved accessibility for all users and is Document M compliant
- Finger guard option (additional hardware)
- Finger guard design provides safety in use
- Square and Softline profile options
- Provides a choice of aesthetics
- Adjustable two or three part hinges
- Suitable for use in medium traffic locations
- A variety of panic hardware available
- A choice of push and touch bar options providing added flexibility in demanding applications
- Suites with the AA®541 Casement, AA®542 Pivot, AA®543 Tilturn, Kawneer’s Curtain Walling and Framing products
- Total design flexibility
- Offering total project solutions
AA®603TE Tilt Slide Door

Introduction
The Kawneer AA®603TE Tilt Slide Door is available in a variety of single or double tilt slide combinations providing flexibility to suit individual project requirements.

The Kawneer AA®603TE Tilt Slide Door is especially user friendly. Sliders in the top guide rail and high precision bearings in the wheels ensure that even large and heavy doors operate with ease and very smoothly, giving the end user extra peace of mind.

The Kawneer AA®603TE Tilt Slide Door has been installed in applications such as executive homes, flats and apartments in a variety of colour options.

Product Features
- Tilt for ventilation and slide for access
- The doors can be opened from the inside or outside, allowing internal or external access to the building
- Handles suite with Tilturn window handles
- A spring buffer prevents the sash from being opened too far
- Suites with the AA®601TE and AA®601TE™ Casement, AA®602TE Pivot, AA®603TE Tilturn, Kawneer Curtain Walling and Framing products
- Extremely stable for sash weights up to 150kg

Construction
The AA®603TE Tilt Slide Door is a pressure equalised system crimped with mechanical corner cleats. Weathering is achieved by the use of single and dual durometer, EPDM gaskets, all with non-shrinkage cord.

Weather Performance
Air Permeability Grade C
Watertightness 600Pa
Resistance to Windload 2400Pa

With the decisive advantage of...
- Flexibility
- Ideal choice for balcony doors
- Aesthetics
- Safety in operation and use
- Total design flexibility
  Offering total project solutions
- Large vents can be specified for maximum air flow and light into the building

Construction
The AA®603TE Tilt Slide Door is a pressure equalised system crimped with mechanical corner cleats. Weathering is achieved by the use of single and dual durometer, EPDM gaskets, all with non-shrinkage cord.

Air Permeability Grade C
Watertightness 600Pa
Resistance to Windload 2400Pa

AA®603TE Tilt Position
AA®603TE Slide Position
AA®605TE and AA®605TEPlus Swing Doors

Introduction
The Kawneer AA®605TE and AA®605TEPlus Swing Doors are high performance thermally efficient doors due to the polyamide thermal break that is incorporated into the aluminium profile. With the use of extruded gasket profiles, this system achieves its weathering performance by means of drained and ventilated glazing rebates.

Designed for direct fix to masonry, window and door composites or ribbon windows, the range can suite with the Kawneer curtain walling and framing systems and is suitable for low or high rise buildings.

The AA®605TE and AA®605TEPlus Swing Doors are available as single action open-in or open-out swing doors and can be single or dual colour.

Construction
The AA®605TE and AA®605TEPlus Swing Doors are three chamber pressure equalised systems crimped with mechanical corner cleats. Weathering is achieved by the use of single and dual durometer, EPDM gaskets, all with non-shrinkage cord.

Product Features

- Low (for easy wheelchair access) or mid/rebated threshold
- Specifically designed anti-finger trap protector
- Choice of locks: multi-point or single with latch, roller or deadbolt
- Adjustable two or three part hinges
- Suites with the AA®601TE and AA®601TEPlus Casement, AA®602TE Pivot, AA®603TE Tilturn, Kawneer’s Curtain Walling and Framing products

With the decisive advantage of...

- Low threshold provides improved accessibility for all
- Finger guard design provides safety in use
- Flexibility
- Suitable for use in medium traffic locations
- Total design flexibility
- Offering total project solutions

Security *
Kawneer’s AA®605TE Swing Door has been tested to the PAS 24 Standard for the enhanced security performance of single and double leaf external doors, proven by stringent laboratory testing, carried out at the Building Research Establishment (BRE). The AA®605TE Door is suitable for both light and medium duty requirements, making it ideal for low to medium frequency use in dwellings and commercial applications.

* Does not refer to standard hardware, security hardware required.

AA®605TEPlus
Thermal Enhancement
The AA®605TEPlus enhancements include a new thermally broken low threshold and EPDM gasket. In addition to this we have introduced additional glazing packers and formalised the glazing bead offer to allow the use of triple glazing.
### Introduction

The Kawneer AA® 720 Door has been developed to meet the latest European requirements for thermal performance and has been future proofed against expected changes in thermal regulation up to 2019.

To enable complete flexibility of design, performance and cost, the AA® 720 Door is available in two levels of thermal performance, the AA® 720 and the AA® 720HI.

The 72mm profiles incorporate the very latest thermal technology including; extruded polyamide thermal breaks, insulated centre seals and foam isolators.

As well as being fully integrated, the AA® 720 Door can suit with Kawneer’s curtain walling and framing products and is suitable for installation in low or high rise buildings for commercial and domestic new build or refurbishment projects.

### Construction

Crimped or pinned with mechanical corner cleats. Corner braces are also used.

Weathering is achieved by the use of single and dual durometer, EPDM gaskets.

Pressure equalised system.

### Configurations

As well as flexibility in performance, the AA® 720 offers versatility in design with the range encompassing a wide variety of integrated window and door configurations. For information on Kawneer’s AA® 720 Series Window Systems please refer to our Window Systems Brochure.

Variants to the AA® 720 Door range are:

- Softline/Design variants with rounded contours
- Open in and open out variants
- Choice of thresholds
- Extensive panic hardware offer
- Large leaf size and weight capabilities

The AA® 720 Door also offers extensive hardware configurations, including new concealed hinges and barrel hinges as well as extensive handle and locking options, to suite with other products in the Kawneer range.

### Glazing

Glazing and panels up to 56mm thickness can be accommodated enabling the use of triple glazing for when there is a requirement for the very highest thermal and acoustic performance.

### Thermal Performance of the Range

<table>
<thead>
<tr>
<th>CEN Sied U-value (W/m²K)</th>
<th>AA®600TE</th>
<th>AA®545</th>
<th>AA®720</th>
<th>AA®720 HI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.8</td>
<td>1.7</td>
<td>1.6</td>
<td>1.5</td>
<td>1.2</td>
</tr>
</tbody>
</table>

U-values are based on a 1000mm x 2000mm CEN sized single door

- Incorporating 1.1 W/m²K double glazing with warm edge Swisspacer V bar
- Incorporating 0.7 W/m²K triple glazing with warm edge Swisspacer V bar

### Product Selector

<table>
<thead>
<tr>
<th>Performance</th>
<th>AA®720</th>
<th>AA®720 HI</th>
<th>AA®720 FR</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-value (Double Glazing)*</td>
<td>1.6 W/m²K</td>
<td>1.5 W/m²K</td>
<td>1.6 W/m²K</td>
</tr>
<tr>
<td>U-value (Triple Glazing)**</td>
<td>1.3 W/m²K</td>
<td>1.2 W/m²K</td>
<td>1.3 W/m²K</td>
</tr>
<tr>
<td>Frame Depth</td>
<td>72mm</td>
<td>72mm</td>
<td>72mm</td>
</tr>
<tr>
<td>Sound Insulation (BS EN 4109)</td>
<td>38 dB</td>
<td>38 dB</td>
<td>38 dB</td>
</tr>
<tr>
<td>Air Infiltration (BS EN 12207: 2000)</td>
<td>Class 2</td>
<td>Class 2</td>
<td>Class 2</td>
</tr>
<tr>
<td>Watertightness (BS EN 12208: 2000)</td>
<td>Class 4A</td>
<td>Class 4A</td>
<td>Class 4A</td>
</tr>
<tr>
<td>Wind Resistance (BS EN 12210: 2000)</td>
<td>Class C2</td>
<td>Class C2</td>
<td>Class C2</td>
</tr>
<tr>
<td>Security (ENV 1627)</td>
<td>WK2 &amp; 3</td>
<td>WK2 &amp; 3</td>
<td>WK2 &amp; 3</td>
</tr>
<tr>
<td>Smoke Protection (DIN EN 1634-3)</td>
<td>-</td>
<td>-</td>
<td>•</td>
</tr>
<tr>
<td>Fire Protection (DIN EN 1634-1)</td>
<td>-</td>
<td>-</td>
<td>EI230</td>
</tr>
</tbody>
</table>

### Design Variants

- Standard
- Softline/Design – Rounded Contours
- Renovation – Angular Contours
- Panel Door

### Configurations

#### Inward Opening

- Single
- Double
- Folding/Sliding

#### Outward Opening

- Single
- Double

### Design Features

- Maximum Door Leaf Size: 1400mm x 3000mm
- Maximum Door Leaf Weight: 250kg, 250kg, 250kg
- Dual Colour Option
- Maximum Glazing Thickness: 50mm, 50mm, 50mm
- Colour Co-ordinated Hardware
- Multi-Point Locking
- Concealed Hinges
- Barrel Hinges
- Thermally Broken Threshold
- Fire Escape (DIN EN 179)
- Anti-Panic (DIN EN 1125)

### U-values based on BR443 size door (1000mm x 2000mm) using 1.1 W/m²K double glazing with warm edge Swisspacer V bar.

** U-values based on BR443 size door (1000mm x 2000mm) using 0.7 W/m²K triple glazing with warm edge Swisspacer V bar.

Fire protection tests carried out using specialist glazing. Tested to DIN EN 1634-1

Sound insulation values are Rw reduction values and are based on tests using acoustic glazing. Further details are available within the Product Manual.

Independently weather and operational performance tested to BS EN 1026, 1027 & 12211

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L20 280
Introduction
The AA®720 FR consists of door and fixed light variants that are compliant with the latest European standards offering 30 minute insulation and integrity.
This is cleverly achieved using additional components to the standard AA®720 System and with the use of specialist fire-rated glazing.

Performance
Kawneer’s AA®720 FR has been tested in accordance with DIN EN 1634-1 achieving EI30 (insulation and integrity), and has met the requirements of DIN EN 1634-3 for smoke protection. Testing has been carried out at various locations.

Product Features

<table>
<thead>
<tr>
<th>With the decisive advantage of …</th>
<th>It has also been tested to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Same versatility as the AA®720 Series</td>
<td>Air Infiltration BS EN 12207: 2000 (Class C2)</td>
</tr>
<tr>
<td>Extensive panic hardware offer</td>
<td>Watertightness BS EN 12208: 2000 (Class 4A)</td>
</tr>
<tr>
<td>Wide range of hardware options</td>
<td>Wind Resistance BS EN 12210: 2000 (Class 2)</td>
</tr>
<tr>
<td>Specialist cooling material within the profiles</td>
<td></td>
</tr>
<tr>
<td>Intumescent strip</td>
<td></td>
</tr>
<tr>
<td>Specialist steel glazing clips and retaining bolts</td>
<td></td>
</tr>
<tr>
<td>Suites with AA®100/AA®110 FR Curtain Walling</td>
<td></td>
</tr>
<tr>
<td>Tested and certified in accordance with DIN EN 1634-1 and DIN EN 1634-3 at various locations</td>
<td></td>
</tr>
<tr>
<td>Similar Uw,ω values as the standard AA®720 Door and Fixed Light variants</td>
<td></td>
</tr>
<tr>
<td>Aesthetics</td>
<td></td>
</tr>
<tr>
<td>Profile depths and widths are the same as the standard AA®720 System</td>
<td></td>
</tr>
</tbody>
</table>

Glass
The AA®720 FR has been tested with specialist glazing. All glazing options are available in the AA®720 FR Product Manual.

Fire Resistant Systems
Kawneer’s AA®720 FR Door and Fixed Light variants enable design flexibility when fire protection is a requirement to building design. They enable safe evacuation of building occupants by offering fire and smoke protection in escape routes. They can also be used to prevent the spread of fire through the building and to adjacent buildings.

For details of other Kawneer Fire Resistant solutions please refer to our Fire Resistant Systems Brochure.
Introduction
The thermally efficient 451PT Framing system, designed in close collaboration with the Consortium for Local Authority Special Projects (CLASP) now known as SCAPE, meets the needs of the education refurbishment and new build markets. It is also suitable for use on commercial projects, in the public sector and is also ideal for large display windows in the retail sector.

The 451PT Framing system provides slimline, dual colour and multi-glazed framing modules of varying widths and heights that feature fixed lights, opening vents and insulated panels and is fully compliant with Document L and Scottish Building Standards Part 6.

Construction
The 451PT Framing system uses shear block construction where contoured shear blocks are screw fixed to the verticals, forming a spigot for horizontal members.

Product Features
- Narrow 50mm sightlines
- Ensures visually pleasing aesthetics
- Can be used for large window displays
- An excellent tried and tested solution for retail applications
- Flush glazed
- Easy to apply
- Concealed drained
- Moisture infiltration directed to the outside of the building
- Suites with the AA®600TE and AA®540 Series Windows, AA®3610 Vertical Sliding Window and all Door Systems
- Total design flexibility
- Offering total project solutions
AA®4001 Framing System

Introduction
The AA®4001 Semi-unitised Framing system, designed in line with the DfE’s ‘Building schools for the future’ is compliant with current building regulations, acoustics BB93 and environmentally friendly classrooms BB95.

As well as traditional stick build and semi unitising, the system offers the advantage of fully unitised assembly and also enables it to meet the demands of fast track work schedules and restricted working conditions.

The AA®4001 Semi-unitised Framing system is adaptable to any new construction project, and due to the fact that it can be quickly installed in occupied buildings with minimal disturbance, the system is ideal for refurbishment projects.

Construction
The AA®4001 Semi-unitised Framing system uses shear block construction and is a fully drained and pressure equalised system offering optimal weather performance. Concealed vents are cleated and crimped.

Weather Performance
The system, installed and glazed to Kawneer recommended procedures, has been tested in accordance with BS 6375.

Air Permeability:
BS EN 12207:2000 Class 4

Watertightness:
BS EN 12208:2000 Class 9A

Resistance to Windload:
BS EN 12210:2000 Class C4

Product Features
- Unitised assembly
- Offering the advantage of factory fabrication to ensure additional quality control and rapid onsite installation
- Selection of mullion and transom profiles
- Flexibility in design
- One vent profile for both open in and open out options
- A streamlined offer
- Fixed bead
- Added security
- Concealed vent, top hung open out and bottom hung open in options
- Optimum safety and air flow

With the decisive advantage of …

Ability to Fit Panels

Concealed Vent

Willowgarth Primary School, Barnsley
Aedas Architects
Framing System
A full range of guaranteed colours available

Kawneer Permacover™ is a high quality polyester powder paint finish, offering over 200 paint colours of which 23 are metallic and 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@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.

Authorities

ISO 9001:2000
Quality Management System

BS EN 12020
Extruded precision aluminium profiles

BS 3987
Specification for anodic coatings

BS 6496
Specification for powder organic coatings

BS 6375 Part 1
Classification for weathertightness

BS 6375 Part 2
Specification for operation and strength

BS 4873
Specification for aluminium alloy windows

BS 4255 Part 1
Specification for non-cellular gaskets

ASTM C509-94
Specification for cellular gaskets

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