

PRODUCTS

SUITED HANDLE RANGE

A full range of architecturally inspired handles developed for Window, Door and Sliding Solutions that ensure a unified look suitable for modern day architecture.



K | VESTA
+
K | DURO



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DESIGN CONSIDERATIONS

DESIGN

A full range of architecturally inspired handles have been developed to complement the AA®720 and AA®720 SL Casement Windows, AA®720 Tiltturn Window, AA®720 Door, AA®3720 Folding/Sliding Door and AA®3572 Lift/Slide Door.

Kawneer offers two handle styles, K-Vesta, a modern, sleek and elegant design available in 450 RAL finishes and K-Duro, a modern and stylish handle design in stainless steel that suites across multiple window and door systems. They provide specifiers with the option of high quality window and door furniture in matching finishes and styles.

FINISHES

K-Vesta handles are available in a range of polyester powder coated finishes. In addition to the range of standard colours K-Vesta handles can be painted in over 450 RAL finishes including textured coatings. K-Duro handles are available in stainless steel. With a vast range of finishes, we can deliver project specific painted hardware to match RAL finishes, ensuring a consistent design and colour visual appearance of hardware across multiple products used within the same settings.

USER-FRIENDLY

Both K-Vesta and K-Duro door handles incorporate an integrated spring system which returns the handle to its original starting position. The door handles are unhandled with an integral click system allowing them to rotate through 360° in four stages at 90° each.

SECURITY

K-Vesta and K-Duro handles are suitable for use on Kawneer PAS 24 certified window and door systems.

DURABILITY

The K-Vesta handles achieve a high corrosion resistance of Class 5 in line with BS EN 1670. The K-Duro handles achieve a high corrosion resistance of Class 4 in line with BS EN 1670. Screws and components are manufactured from corrosion resistant materials.

STANDARDS

- ISO 9001 - Quality Management System
- BS 3987 - Specification for anodic coatings
- BS 6496 - Specification for powder organic coatings
- BS 6375 Part 2 – Specification for operation and strength
- BS 4873 - Specification for aluminium alloy windows
- EN 13126-3:2012 - Hardware for windows and window-height doors
- BS EN 1670:2007 - Building hardware. Corrosion resistance
- PAS 24 - Enhanced security performance requirements for doorsets and windows in the UK
- High frequency in use 200,000 cycles (K-Duro)
- Category of Use: Grade 4 – High frequency of use, e.g. public areas, sport and leisure facilities, etc.



K-VESTA RANGE

K-Vesta is a modern, sleek and elegant design that is available on a range of handles for use on inward opening and outward opening windows, hinged doors, bifold and lift/slide doors.



FINISHES

K-Vesta handles are available in a range of polyester powder coated finishes achieving a high corrosion-resistance Class 5. In addition to the range of standard colours K-Vesta handles can be painted in over 450 RAL finishes including textured coatings.

Product Selector

NAME	AA®720 CASEMENT	AA®720 SL CASEMENT	AA®720 TILT/TURN	AA®720 DOOR	AA®3720 BIFOLD DOOR	AA®3572 LIFT/SLIDE DOOR
TBT Handle - Non Locking			•			
TBT Handle - Lockable			•			
Espagnolette Window Handle Lockable	•	•				
Lift/Slide Handle - Inner Side - with Cylinder						•
Lift/Slide Handle - Outside - with Cylinder						•
Lift/Slide Handle - Inner Side - without Cylinder						•
Lift/Slide Handle - Outside - without Cylinder						•
Internal Door Handle on Short Backplate				•	•	
External Door Handle on Short Backplate					•	
Internal Door Handle				•	•	
External Door Handle					•	
External Door Handle without Cylinder Hole (a=21.5mm)					•	
External Door Handle				•		
Bifold Shootbolt Lever					•	

Both K-Vesta and K-Duro door handles incorporate an integrated spring system which returns the handle to its original starting position. The door handles are unhandled with an integral click system allowing them to rotate through 360° in four stages at 90° each. K-Vesta and K-Duro handles are suitable for use on Kawneer PAS 24 certified window and door systems.

K-DURO RANGE

K-Duro handles are a modern and stylish handle design manufactured in stainless steel. The K-Duro range includes handles for use with inward opening windows, hinged doors, bifold and lift/slide doors.



Product Selector

NAME	AA®720 TILT/TURN	AA®720 DOOR	AA®3720 BIFOLD DOOR	AA®3572 LIFT/SLIDE DOOR
Finger Pull				•
Window Handle with Cylinder	•			
Window Handle with Spindle 25mm	•			
Internal Door Handle		•	•	
External Door Handle			•	
Internal Door Handle - with Cylinder		•	•	
External Door Handle			•	
External Door Handle without Cylinder Hole			•	
External Door Handle		•		
Lift/Slide Handle - Inner Side - with Cylinder				•
Lift/Slide Handle - Outside - with Cylinder				•
Lift/Slide Handle - Inner Side - without Cylinder				•
Lift/Slide Handle - Outside - without Cylinder				•

Both K-Vesta and K-Duro door handles incorporate an integrated spring system which returns the handle to its original starting position. The door handles are unhandled with an integral click system allowing them to rotate through 360° in four stages at 90° each. K-Vesta and K-Duro handles are suitable for use on Kawneer PAS 24 certified window and door systems.

AA[®]720 STANDARD CASEMENT WINDOW

The AA[®]720 Casement Window is part of the AA[®]720 range of Windows and Doors. In line with the existing range, the AA[®]720 Casement is available in a range of increasing levels of thermal performance – incorporating Kawneer’s latest Reflex unique thermal break technology.

The AA[®]720 Casement Windows are available as top hung or side hung windows and can be either internally or externally glazed. Additional advantages of the advanced thermal break technology include the options of dual colour finishes, to provide design flexibility in various applications.

PRODUCT FEATURES AND BENEFITS

- BRE Green Guide 'A' Rated Frame* for projects that require sustainable and environmental advantages
- Range of locking options available - for flexibility. Choose from standard Espagnolette locking to enhanced security in line with PAS 24:2016
- Option of Trickle Ventilation - can help meet the requirements of Document F
- Projected top hung or side hung or butt hinge options - total flexibility, suits most casement project applications
- Suites with the AA[®]720 series, AA[®]100/AA[®]110 Curtain Walling, 451PT Framing and Door Systems
- Suited hardware - compatible hardware to compliment the AA[®]720, AA[®]540 and AA[®]3720 ranges

* Corresponds to the BRE Global Green Guide online generic specification for windows and achieves a summary rating of A for non-domestic schemes. www.thegreenguide.org.uk
Element Number 1231500007

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

This page shows the handle compatible with the AA[®]720 Casement Window.

For the full range of Suited Handle options and Product Selector, please see pages 6 and 7.



K-Vesta
Locking Espagnolette Handle

SECURITY**

The AA[®]720 Casement Window has been independently tested to PAS 24:2016.



AA[®]720 SL SLIMLINE CASEMENT WINDOW

The AA[®]720 SL Slimline Casement Window is part of the AA[®]720 range of Windows and Doors. It is an open-out window designed with narrow frame sightlines to achieve a modern aesthetic look, providing optimum weather and thermal performance. The AA[®]720 SL Slimline Casement Window is available in two styles:

AA[®]720 SL STANDARD

The Standard option, with overlapped vent, offers a more conventional window design with slim elegant frame sections. It is a cost effective and robust solution specifically designed for the Education sector.

AA[®]720 SL DOUBLE FLUSH

The Double Flush option is a contemporary flush vent with a unique double flush external and internal aesthetic, carrying the slimline look from the outside to the inside of the building. It has been specifically designed for the Home Improvement sector.

The AA[®]720 SL is available as a top hung or side hung window and the use of a polyamide thermal break offers single or dual colour options.

The AA[®]720 SL uses a multi-chamber thermal break core, ensuring thermal efficiency and full compliance with Document L.

The AA[®]720 SL has been fully tested to achieve PAS 24:2016 enhanced security certification. Internal glazing for both vents and fixed lights is more cost effectively achieved without the use of reverse glazing adaptors.

PRODUCT FEATURES AND BENEFITS

- BRE Green Guide 'A' Rated Frame* for projects that require sustainable and environmental advantages
- Ultra slim sightlines maximise the glazing vision area while also providing a superior, modern look to any window
- Outward opening side hung windows available with easy clean egress hinges enabling simple and practical window maintenance
- Espagnolette locking to the casement offers complete peace of mind against opportunist break-ins and have been tested to PAS 24:2016 enhanced security standard
- Suites with the AA[®]720 series, AA[®]100/AA[®]110 Curtain Walling, 451PT Framing and Door Systems
- Suited hardware - hardware to compliment the AA[®]720 and AA[®]540

* Corresponds to the BRE Global Green Guide online generic specification for windows and achieves a summary rating of A for non-domestic schemes. www.thegreenguide.org.uk Element Number 1231500007

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

This page shows the handle compatible with the AA[®]720 SL Casement Window.

For the full range of Suited Handle options and Product Selector, please see pages 6 and 7.



K-Vesta
Locking Espagnolette Handle

SECURITY**

The AA[®]720 SL Casement Window has been independently tested to PAS 24:2016.



AA[®]720 TILTURN WINDOW

The AA[®]720 Tiltturn Window is part of the AA[®]720 range of Windows and Doors, designed to offer maximum weather and thermal performance at a competitive price range. Excellent thermal performance (AA[®]720 HI Reflex) has been met using Reflex technology with foam meeting the most demanding specification performance on any project.

VENT SIZE LIMITATIONS

All dimensions stated are in millimetres.
All dimensions stated are vent sizes.
Dimensions stated are General System Limitations.

Vent profile and hardware options are chosen depending upon size and glass weight.

- Maximum weight 300kg
- Vent 1600mm x 2100mm
- Leaf 1100mm x 3000mm

PRODUCT FEATURES AND BENEFITS

- BRE Green Guide 'A' Rated Frame** for projects that require sustainable and environmental advantages
- Tilt before turn operation. Tilt for ventilation and turn for cleaning. The full opening in the 'turn' position offers an escape route in an emergency (subject to size)
- Excellent thermal performance U_f from 1.0W/m²K (AA[®]720 HI Reflex)
- Noise protection $R_w=39-47$ dB
- Trickle ventilation option available to help meet the requirements of Document F
- Suites with AA[®]720 series, Juliet Balcony, LouvreShield, AA[®]100/AA[®]110 Curtain Walling, 451PT Framing and Door Systems
- Two-Stage Open-In Accessibility Vent option

** Corresponds to the BRE Global Green Guide online generic specification for windows and achieves a summary rating of A for non-domestic schemes. www.thegreenguide.org.uk
Element Number 1231500007

* Does not refer to standard hardware, security hardware required

This page shows the handles compatible with the AA[®]720 Tiltturn Window.

For the full range of Suited Handle options and Product Selectors, please see pages 6 to 9.



K-Vesta
Tiltturn Locking Handle



K-Duro
Tiltturn Locking Handle

SECURITY*

The AA[®]720 Tiltturn Window has been independently tested to PAS 24:2016.



AA[®]720 DOOR

The Kawneer AA[®]720 Door has been developed to meet the latest European requirements for thermal performance.

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 suite 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.

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
- Finger guard option

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

* Does not refer to standard hardware, security hardware required

This page shows the handles compatible with the AA[®]720 Door.

For the full range of Suited Handle options and Product Selectors, please see pages 6 to 9.

SECURITY*

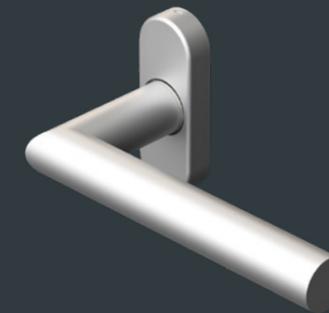
The AA[®]720 Door has been independently tested to PAS 24 for the enhanced security performance of single and double leaf external doors.



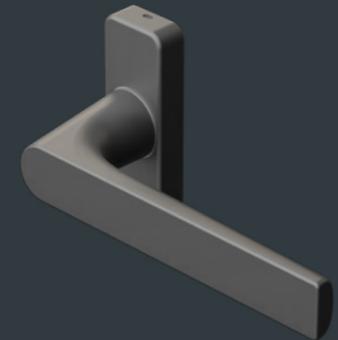
K-Duro
Standard Door Handle



K-Vesta
Standard Door Handle



K-Duro
Standard Door Handle



K-Vesta
Standard Door Handle

AA[®]3720 FOLDING/SLIDING DOOR

The AA[®]3720 Folding/Sliding Door is a solution for projects that demand the highest levels of thermal and weathering performance at a competitive price.

The AA[®]3720 uses advanced thermal break technology, ensuring thermal efficiency and full compliance with Approved Document L. The polyamide thermal break allows for single and dual colour options. The use of extruded gasket profiles and drain and ventilate strategy enable the system to achieve its weathering performance.

The AA[®]3720 provides a door with market leading capabilities, equally suited to the discerning home owner or installed in commercial premises that wish to enhance their environment.

Our product development team focused on market demands to produce a door with high performance and innovation offering:

- Aesthetic Appeal
- Especially Slim Sightlines
- Simplified Fabrication
- Patented Features

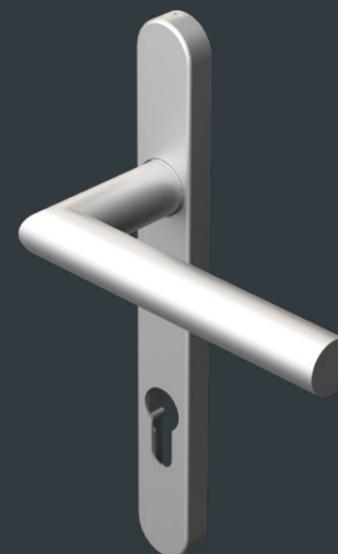
PRODUCT FEATURES AND BENEFITS

- Highly insulated profiles with U_f-values as low as 1.8 W/m²K for frame/vent combinations - uw-values as low as 1.0 W/m²K at the maximum panel size (using 0.7 W/m²K triple glazing and warm edge technology)
- A range of door configurations in either open-in or open-out stack variants - total flexibility for all project applications
- Panel sizes upto 1200mm(W) & 2930mm(H)* - Can achieve solutions in the most demanding of applications
- Slim sightlines - no floating mullions - Reduced metal content and increased fabrication efficiency
- Stainless steel rollers for smooth and effortless operation
- Choice of threshold options - continuity between internal and external spaces. Rebated, low and sunken track options to add further design capability
- Suites with the AA[®]720 Window Series - total design flexibility offering total project solutions

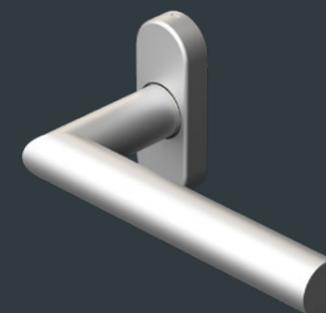
* Dependant upon glass size and weight

This page shows the handles compatible with the AA[®]3720 Folding/Sliding Door.

For the full range of Suited Handle options and Product Selectors, please see pages 6 to 9.



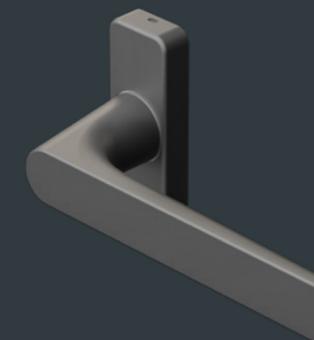
K-Duro
Standard Door Handle



K-Duro
Internal Door Handle



K-Vesta
Internal Door Handle



K-Vesta
Standard Door Handle



K-Vesta
Bifold Shootbolt Lever

AA[®]3572 LIFT/SLIDE DOOR

The AA[®]3572 Lift/Slide Door is a solution for projects that demand the highest levels of thermal and weathering performance.

The AA[®]3572 thermally insulated system delivers optimum levels of quality and performance with the lift/slide technology providing effortless operation enabling maximum panel sizes up to 3m x 3m with maximum weights up to 400kg.

Robust profiles with high insulation values enable large areas of glass for freedom of design. The option of slim meeting stiles allow the system to remain unobtrusive. As a sliding system, it is an ideal space saving solution where safety is a consideration and projecting swing doors are undesirable.

The double EPDM gasket with continuous rebate provides exceptional weathering performance and high levels of sound reduction.

THERMAL PERFORMANCE*

The AA[®]3572 Lift/Slide Door achieves a Double Glazed U-value of 1.4 W/m²K and a Triple Glazed U-value of 0.83 W/m²K.

PRODUCT FEATURES AND BENEFITS

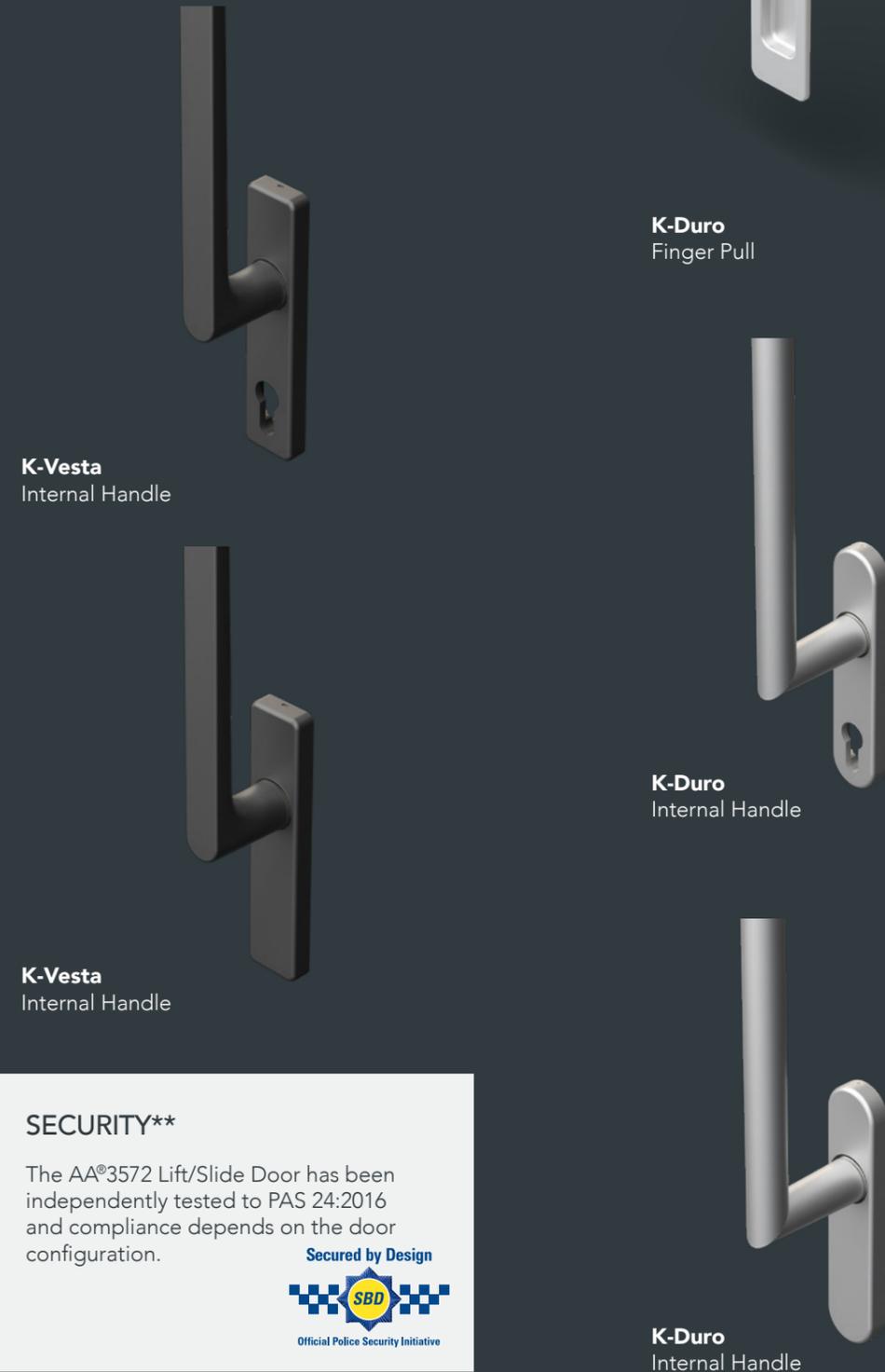
- Highly insulated profiles with U_f-values as low as 1.8 W/m²K for frame/vent combinations - uw-values as low as **0.8 W/m²K** at the maximum panel size (using 0.6 W/m²K triple glazing and Swisspacer V bar)
- Panel sizes up to 3m x 3m can achieve large, uninterrupted areas of glazing
- Panel weights up to 400kg - can easily accommodate triple and acoustic glazing up to 56mm
- 2 and 3 track options - arrangements with up to 6 panels
- Stainless steel rollers offer smooth and effortless operation
- Suites with the AA[®]720 Window Series and AA[®]100/AA[®]110 Curtain Walling Systems with total design flexibility offering total project solutions

* U-values based on 2 pane assembly measuring 2180mm x 2350mm (BS EN: 10077) using 1.1 W/m²K double glazing or 0.6 W/m²K triple glazing with Swisspacer V bar.

** Does not refer to standard hardware, security hardware required and compliance depends on door configuration.

This page shows the handles compatible with the AA[®]3572 Lift/Slide Door.

For the full range of Suited Handle options and Product Selectors, please see pages 6 to 9.



K-Vesta
Internal Handle

K-Duro
Finger Pull

K-Duro
Internal Handle

K-Duro
Internal Handle

SECURITY**

The AA[®]3572 Lift/Slide Door has been independently tested to PAS 24:2016 and compliance depends on the door configuration.



Official Police Security Initiative



BTR Towers, Erie Basin, Salford Quays
Architect: Sheppard Robson
Photo: David Millington Photography



One The Elephant, London, SE1
Architect: Squire & Partners
Photo: James Jones

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