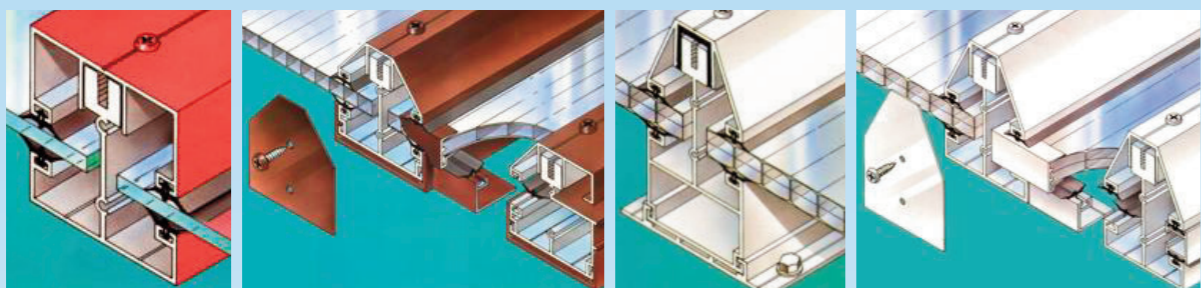


# ALUMINIUM SHOPFRONTS, DOORS, WINDOWS & CURTAIN WALLING

## SPECIFICATIONS

### GLAZING BARS - Light, standard & heavy duty



Conforming to BS 5516 the system has been designed for both the commercial and domestic markets and can be used with all popular fills including 6mm glass, multi-wall polycarbonate sheet and double glazed units. The gaskets are designed to ensure the fills are sealed even when glazed at an angle.

Glazing bar caps are sloping or square in profile and are available in standard and thermally broken

versions. The thermal barrier is created by using a PVC-U section that clips into the cap. Thermally efficiency can also be improved by clipping a PVC-U section to the underside of the glazing bars.

Accessories include: aluminium closure sections for multi-wall plastic sheet, end plates, eaves fillers, end fillers, adjustable wall plates and acetal-headed stainless steel screws.

# ALUMINIUM DOORS, WINDOWS, SHOPFRONTS & CURTAIN WALLING



Versatile and comprehensive AES range

**365 days a year**

**24hr EMERGENCY CALL OUT**

**0115 930 0815**

### LEGAL REQUIREMENTS

Current legislation places a duty of care on all building owners and occupiers to ensure their doors and shutters are regularly maintained by a competent organisation or person. Records to this effect are required by law. The main regulations are:

- The Workplace (Health, Safety and Welfare) Regulations 1992
- The Fire Precautions (Workplace) Regulations 1997
- The Provision and Use of Work Equipment Regulations 1998

To help you meet your obligations under the above regulations and ensure continued safety in use, Attenborough Doors will promptly provide a qualified and trained Engineer to carry out reactive repairs and maintenance works as required.

### DECLARATION OF INCORPORATION

**NOTE:** It is our policy to supply doors that meet all relevant building regulations and Health & Safety requirements wherever it is practical and we urge our customers to familiarise themselves with their onward obligations. For further information please contact Attenborough Doors on 0115 930 0815. Our policy is one of continuous product development. We reserve the right to make such alterations in design and manufacture as considered necessary without notice. Drawings, specifications and other details are not binding in detail.



# ATTENBOROUGH

THE UK'S PREMIER DOOR MANUFACTURER AND INSTALLER

MERLIN WAY, QUARRY HILL INDUSTRIAL PARK,  
ILKESTON, DERBYSHIRE DE7 4RA.

Telephone 0115 930 0815 Fax: 0115 944 8930  
Email: [information@attenboroughdoor.co.uk](mailto:information@attenboroughdoor.co.uk)

[www.attenboroughdoor.co.uk](http://www.attenboroughdoor.co.uk)



Assessed to ISO 9001  
LPCB ref. no. 145

- FIRE, AUTOMATIC & INDUSTRIAL DOORS
- SECURITY SHUTTERS & GRILLES
- TRAFFIC FLOW & ENTRY SYSTEMS
- LOADING DOCK EQUIPMENT

# ALUMINIUM SHOPFRONTS, DOORS, WINDOWS & CURTAIN WALLING

## SPECIFICATIONS

*The AES aluminium entrance system can provide a proven, cost effective solution for most retail and commercial applications.*

*The versatile, comprehensive range gives Attenborough the ability to produce anything from a simple single glazed shopfront to the most complex double glazed curtain wall.*

All aluminium extrusions are made from high-grade 6063 T6 alloy (BS 1474) and the TPR rubber gaskets use a "fir tree" design to ensure a good seal. Available in mill finish, anodised or powder coated to any standard RAL or BS colour.

## SHOPFRONT SYSTEM

We offer a complete design and installation package that will give any retail outlet a fresh, modern appearance, and with the systems renowned flexibility, we are sure we can satisfy the most demanding design brief. Remember first impressions are everything and the design of our shopfronts will help to enhance your products and services.

Doors can be swing, sliding or bi-folding and supplied for manual or automatic operation.

**Flush Glazed** The flush glazed system has two different pocket widths to take a range of glass units or panels between 6mm and 24mm thick. The pocket profiles enable "shuffle glazing" of the shopfront frame.

**Bead Glazed** The bead glazed system can accommodate glass units or panels up to 28mm thick by varying the beads used.

Our services also include the supply and fix of a full range of Security Grilles and Shutters.



## DOOR SYSTEM

We supply many types of doors, in a variety of formats. These can be supplied separately, and are individually manufactured to meet each location's design criteria.

Swing or sliding doors are usually supplied for use with the Attenborough AES aluminium system and are fabricated 45mm wide with multiple sizes of rails and stiles. The stiles include woolpile carrying versions to provide draught-proof seals. The doors are bead glazed and can accommodate glass units, louvres or panels up to 28mm thick and there are several low threshold sections to choose from.

**Swing Doors** To comply with new regulations, "Finger Safe" stiles are now available and transom closer profiles, which form part of the frame, are used to house and conceal the door closers.

**Sliding Doors** The AES Door System can be used for both manual and automated sliding doors, including telescopic doors. Automated doors will have reinforced headers and top rail.

**Door Hardware** A comprehensive range of door hardware is available:  
Concealed transom closers • Locks and cylinders • Handles • Panic bars • Flush or shoot bolts • Letter plates • Brush strips • Access systems - to suit client's specific requirement.



# ALUMINIUM SHOPFRONTS, DOORS, WINDOWS & CURTAIN WALLING

## SPECIFICATIONS

## CURTAIN WALL SYSTEM



Independently vetted in accordance with the CWCT Test Method for Curtain Walling, the AES system is an economical and attractive façade cladding that has all the advantages of being one integrated grid system. It is particularly suitable for low to medium rise (up to 20m tall) new build applications and is ideal for refurbishment projects where it can dramatically alter the appearance of a building's envelope.

A guaranteed long lasting service life requiring very low maintenance, excellent thermal and sound insulation are a few of the system's many advantages.

Profiles are based around 75, 100 and 125mm mullion and transom designs, plus a 50mm box transom. The choice of profile sizes and frame design is determined by the expected exposure to local wind pressures.

The AES system can accommodate 6, 6.4, 8.8, 10 or 10.8mm single glazed units or panels with the use of aluminium adaptors and gasket variations, and 24mm or 28mm double glazed units or panels. Vents can also be fitted.

The system is designed for pressure equalised zone drainage, which is achieved with drained and ventilated glazing rebates. Infills are retained with rigid PVC pressure plates incorporating co-extruded weather seals. Inner seals are made from EPDM and are also available as vulcanised corner components.

## WINDOW SYSTEM

A practical range of virtually maintenance free windows for commercial application.

All our window systems have a thermal break option. The thermally broken profiles meet current Document L requirements when glazed with argon filled K glass sealed units with warm edge spacer. Universal window profiles and components include sub-cills with varying projection, cill end-plates, coupling bars and weather bars.

**50mm Casement Window System** Designed for intermediate commercial applications and is internally glazed. Composite windows can be produced with the use of adaptor frames.

The 50mm system can accommodate 6 or 6.4mm single glass and 24 or 28mm double glass sealed units. Handles for use with espagnolettes slide bar locking can be used with this system as can cockspur locking handles.

A range of friction hinges are available including non-restrictor, restricted and Sterling heavy duty.

**45mm Casement Window System** Suitable for intermediate applications where narrow lines and economy are desired. The system is externally glazed.

The 45mm system can accommodate 6.4mm single glass and 24mm double glass sealed units.

Available hardware includes cockspur locking handles, non-restrictor and restricted friction hinges.

Our services also include the supply and fix of a full range of Security Grilles and Shutters.

