

1ST ACCESS UK LIMITED TECHNICAL STANDARDS

SHOPFRONTS

Aluminium profiles are extruded from alloy 6060/6063 T6 complying with the recommendations of BS EN 755:1-9. The system is based on a common Aluminium box section size of 100x45mm for both double and single glazed options, with a two port screw port feature for inherent strength.

Construction consists of main vertical members with horizontal transoms spanning between.

Framing profiles are square cut and assembled by driving screws into extruded receptacles in the corresponding section.

All loads are transmitted to a supporting structure via purpose designed fixings and fixing details.

Weather stripping is woven pile, polypropylene backed, premier density. Door sections are square cut and assembled with extruded engineered cleats and M10 tie rods for additional strength and robustness.

The system will accommodate a range of glazing thicknesses from 6 to 11mm for single glazed units and from 24 to 28 mm double glazed units.

Glass is set dry between TPE gaskets internally and externally are glazed by shuffle glazing the infill into jamb glazing pockets.

Polyester Powder coat paint to BS EN 12206-1:2004. Please enquire for our standard colour range available.

Etched and anodised to BS 3987: 1991 (01.06.2007) - Silver AA25 or colours on request.

CURTAIN WALLING & WINDOWS

Aluminium profiles are extruded from alloy 6060/6063 T6 complying with the recommendations of BS EN 755:1-9. The 1st Access Low Rise Curtain Wall system is an economic and aesthetically pleasing solution to facade cladding. The system is suitable for use on all buildings where good thermal and weather performance is required.

The range of profiles is based around 75mm, 100mm and 125mm mullion and transom designs accompanied by purpose designed ancillary items required of a high performance curtain wall system.

Section performance requirements must be calculated from site conditions and all loading requirements. Please contact our technical office for advice and support regarding application.

The system is designed for pressure equalised zone drainage and this is achieved with drained and ventilated glazing rebates.

The glass or panel/window infills are retained with rigid PVC pressure plates which have co-extruded weather seals. Inner seals are available in lineal form and vulcanised pre-formed corner pieces.

The system can accommodate 24mm and 28mm thick IGU's or composite panels and 6mm, 6.4mm, 8.8mm, 10mm and 10.8mm single glazing variations by using aluminium rebate adapters and alternative internal gasket types PVC co-extruded pressure plate and internal EPDM glazing gaskets are extruded to BS 2782 and BS 476 part 7 and BS 4255 part 1 respectively.

FRAMELESS GLAZING

Toughened Glass in varying thickness complies to BS EN 12150 : 2000 (impact tested BS EN 12600 : 2000)

Laminated & Toughened Laminated Glass to BS EN 14449 : 2005 (tested in accordance to BS EN 12543-4:1998).

All patch fittings and Spider fixings are DORMA patented manufactured. Spider fixings are installed with stainless steel fixings for both aesthetics and durability in mind. Patch fitting covers are available with powder coated or stainless steel covers.

Doors are mounted only on DORMA BTS range of Floor Springs. With a choice of free swinging or varying hold open facility.