

# ALCON



# Curtain Wall

## & ALUMINIUM SHOPFRONT SYSTEMS



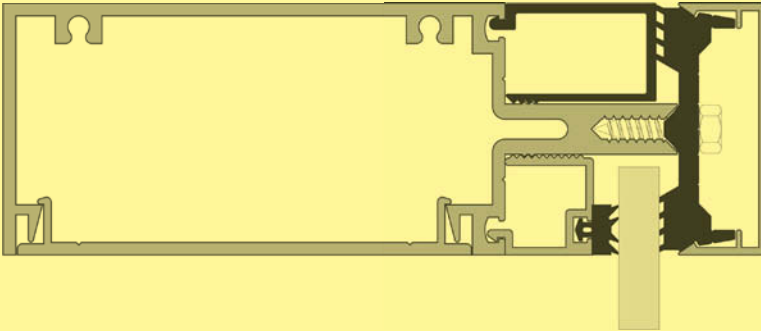
### **KESTREL LOW RISE CURTAIN WALL SYSTEM**

Is an economic and aesthetically pleasing solution to façade cladding. The system is suitable for use on all buildings where good thermal and weather performance is required, and is suitable for low rise applications up to 20m tall.

## CURTAIN WALL SYSTEMS

The range of profiles is based around 75mm, 100mm and 125mm mullion and transom designs, plus a 50mm box transom accompanied by purpose designed ancillary items required of a high performance curtain wall system.

The choice of profile sizes and frame design is determined by the expected exposure to local wind pressures.



*Curtain Wall cross-section*

The system can accommodate 6mm, 6.4mm 8.8mm, 10mm, or 10.8mm single glass units or panels with the use of aluminium adaptors and gasket variations, and 24mm or 28mm double glass units or panels. Vents made using the KAS 269 Curtain Wall Vent Outer Frame (from the 50mm Window Suite) can be fitted in the same way as a 24mm glass unit.

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.

## PERFORMANCE: WEATHER

The Kestrel system has been independently tested by a UKAS certified body in accordance with the CWCT test method for Curtain Walling.

<b>CWCT Section 4</b>	Air Permeability	600 pa
<b>CWCT Section 5</b>	Watertightness, Static	600 pa
<b>CWCT Section 8</b>	Wind Resistance, Servicing	1500 pa
<b>CWCT Section 9</b>	Wind Resistance, Safety	2250 pa

## PERFORMANCE: THERMAL

Profiles have been independently modelled and assessed in accordance with BS EN ISO 10077-2. Full details are available for inspection on request

Curtain wall sections are designed to carry self weight, glass weight, wind pressures and other imposed loads. A curtain wall mullion must NEVER be used as a primary structural member within the building, or have loads designed for the primary structure transferred to the curtain wall grid.





