

# Crown Casement Window System



The new crown casement window system creates side or top hung windows as individual elements or as truly coordinated multi-light windows. The systems capabilities and range of options, including those providing structural performance, are particularly comprehensive and can accommodate a vast array of window designs.

The system is fully weather stripped to achieve the highest level of weather performance. All profiles incorporate polyamide thermal barriers to meet the latest Building Regulation requirements in terms of U values and window energy ratings.

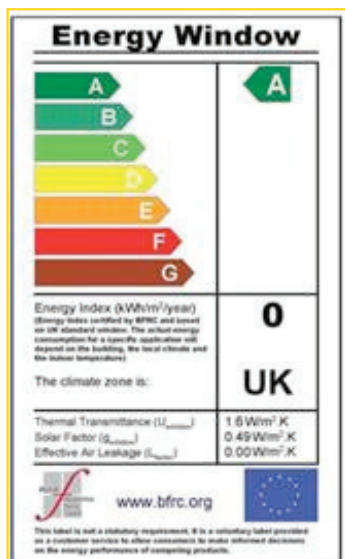
## Key Benefits

- Versatile and comprehensive - creates top hung, side hung or fixed light windows.
- Patented security bead design.
- Meets BS 6375: Part 1 Severe Exposure Category 2000.
- Virtually maintenance free.
- Wide choice of colour finishes options including dual colour.
- Compatible with other Advanced Aluminium window and door products.
- Security designed into system and hardware options.
- Trickle ventilators to meet Building Regulations needs.
- Wide range of framing shapes to suit all styles of homes.
- Can incorporate mullions and transoms with structural capabilities.
- Can create Glazed Screens or Bay Windows with corner junctions at any angle between 90° and 270°.

## Thermal Performance

- Crown windows can meet and surpass the area weighted average U values stipulated in Part L of the Building Regulations.
- Lower U values can be achieved using double glazed units with enhanced thermal insulation, such as 'soft coat' low emissivity glass, argon gas filling and thermally broken spacer bars.

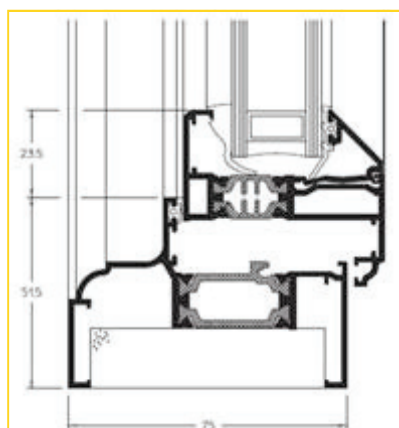
## WER Rated 'A'



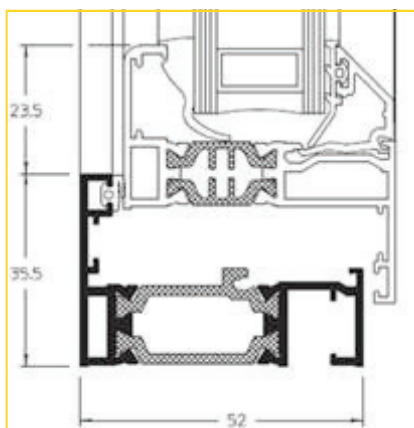
This casement system was put in place to reproduce the styling of the popular but now obsolete Monarch casement. The resulting system can only be seen as a triumph. Not only does the new Crown system replicate the beautiful features of the original Monarch casement so suited to the residential marketplace, but it also exceeds the minimum requirements of Part L Building Regulations.

Advanced Aluminium can offer their customers this casement with a Window Energy Rating of 'A' through our BSI kite mark license.

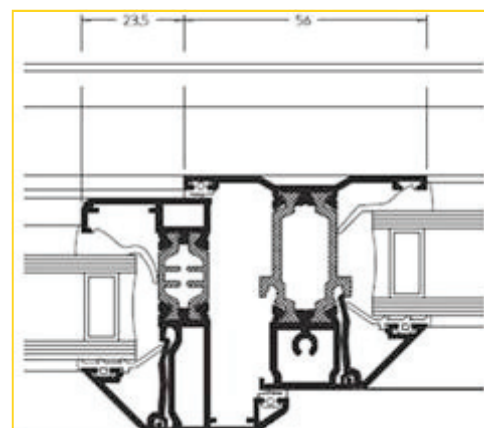
## General Arrangements



Cill - Showing softline outerframe and vent.



Cill - Showing alternative 52mm outerframe and flat vent 'Steel Replacement'.



Mullion/Transom - Showing chamfered vent.

## Weather Performance

**Water Tightness**  
**Air Permeability**  
**Wind Resistance**

**Opening Lights**  
Class 9A (600 pa)  
Class 3 (600 pa)  
Class B5 (2000 pa)\*\*

**Fixed Lights**  
Class 9A (600 pa)  
Class 3 (600 pa)  
Class B5 (2000 pa)\*\*

\*\* Exposure category varies with width/height of the window and mullion/transom used. An accurate figure for wind load can be obtained using BS6399:Part 2 calculations and inertia values

## Size Limitations

	Min Width	Max Width	Min Height	Max Height
Side Hung Vent	236mm	736mm	386mm	1336mm
Top Hung Vent	386mm	1200mm	200mm	1336mm