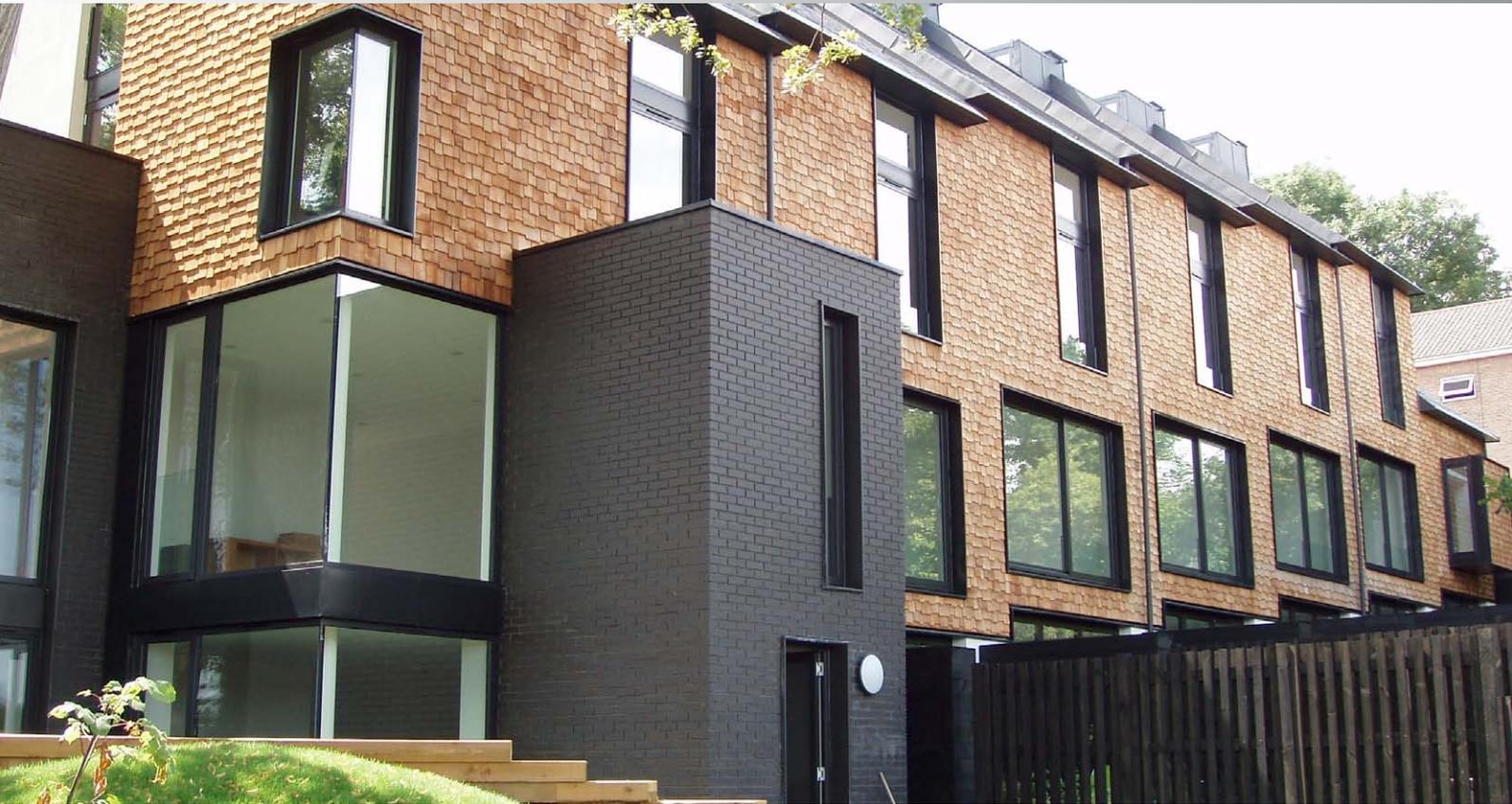


f **STAYFIX**

ARCHITECTURAL ALUMINIUM SYSTEMS



Climate II

Window system

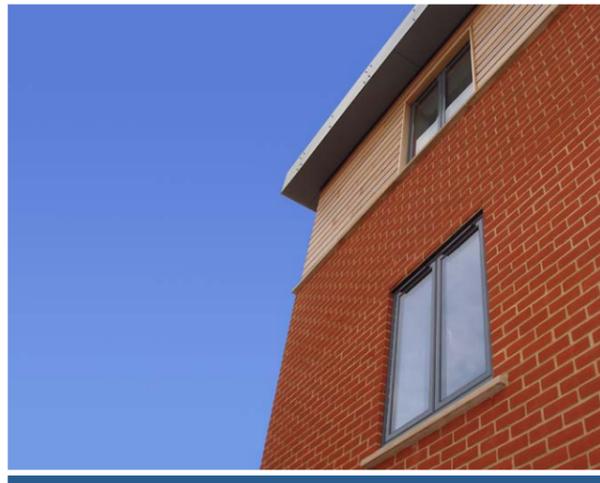
Climate II

The Climate II system is a series of aluminium profiles that have been designed to meet the standards of the ever growing challenges within the industry.

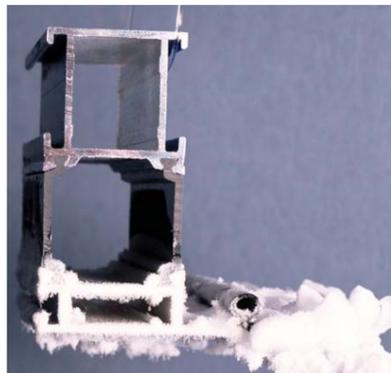
As well as reducing energy costs, it takes the effort away from manufacturing and installing, and the final appearance surpasses any other systems available.

To satisfy residential, as well as commercial requirements, Climate II is adaptable with all sections in the range, being able to pair up with each other to create the desired type of end product. The system has been designed to be internally, as well as externally beaded, with a choice of three outer frames and five sash profiles. All interchangeable with each other.

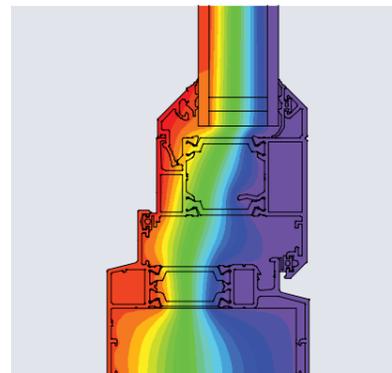
Having a maximum polyamide thermal break of 28mm and only 51mm depth of profile, the system can achieve low U-values to accommodate the demands expected from the industry. Using triple glaze, the system can exceed U-values stated in Part L of the building regulations.



> Shootbolt as well as mushroom locking for security



> Demonstration of polyamides resistance to low temperatures



> Thermal conductance through the system

Technical specification

System options

- > Three outer options: Directfix, slim direct fix and oddleg
- > Five vent options: ovolo externally beaded sash, flat externally beaded sash, bevel internally beaded sash, slim bevel internally beaded sash and slim ovolo internally beaded sash.

Material

- > Extruded from aluminium alloy 6060 T6
- > Polyamide 6.6.25% reinforced with glass fibre

Finishes

- > Polyester powder coated to BSEN 12206
- > Qualicoat and GSB label
- > Mill Finish
- > Silver anodized
- > Dual colour option

System Features

- > Internally beaded for extra security
- > Fully compliance with Part L of the building regulations
- > Three chamber design
- > Simple to manufacture and install
- > Bayonet style bead specially designed to withstand forced entry
- > Top hung or side hung openings
- > Heavy Duty hinges

Application

- > Residential as well as commercial
- > For low to medium rise building

Weather Performance

- > Tested to BS 6375 Part 1:2009 Part 1: Classification for weather tightness:
 - Air permeability 600 Pa
 - Water tightness 600 Pa
 - Wind resistance 2000 Pa
 - Exposure category 2000 Pa

Security Performance

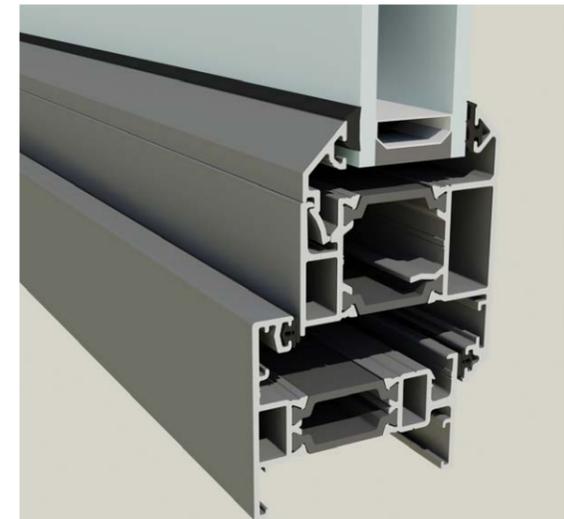
- > Tested to BS 6375 Part 2:2009 Part 2. Specification for operation and strength characteristics
- > Tested to BS 6375 Part 2:2009 Part 3. Specification for additional performance characteristics
- > BS EN 13115:2001 [resistance to racking] - Pass
- > BS EN 13115:2001 [resistance to static torsion] - Pass
- > BS EN 12400:2002 [resistance to repeat opening 10,000 cycles] - Pass
- > BS EN 14351 Part 1 clause 4.8 [load bearing capacity of safety devices] - Pass
- > BS EN 13115:2001 [operating forces] - Pass

Glazing

- > 28mm glazing unit. Air vent incorporated with glazing. Louvers option.

Other options

- > System is designed to accommodate various security and operation components. Also can be accommodated into other systems.



Why choose Climate II:

- > Internal and external beading option
- > Low profile depth
- > Three chamber design
- > Achieves U-value complying with part L of the Building Regulations
- > Enhanced security hardware
- > Longer life
- > Simple and easy to maintain
- > Increase value of any property
- > Accommodates louvers, air vents and slot vents
- > Dual colour option
- > Non rusting and maintains strength
- > Guaranteed paint finishes
- > Lower energy consumption
- > Profile options to mix and match
- > Appealing appearance
- > Easy to install
- > Option of fixing into timber frame
- > Bayonet style bead designed to withstand forced entry

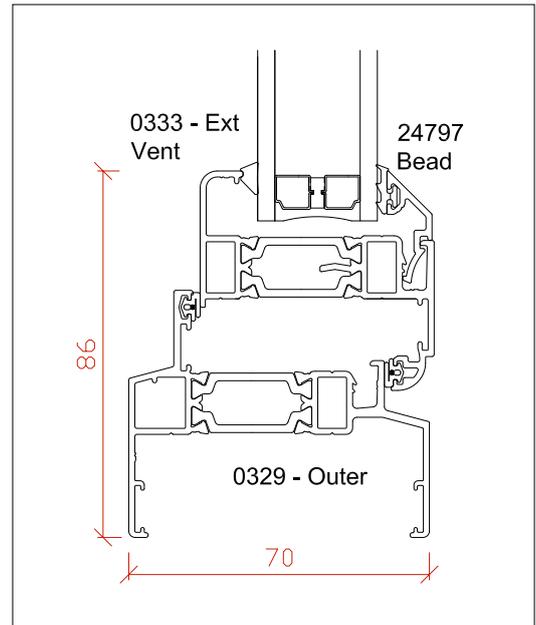
“ a system with thermal performance...
... residential and commercial applicability...
... rigorous weather and security testing...
... durability for longer lifecycle...
... stunning appearance ... ”

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ARCHITECTURAL ALUMINIUM SYSTEMS

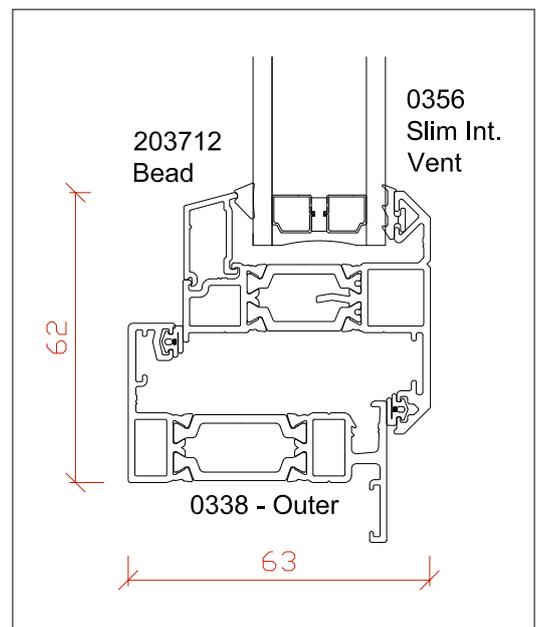
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> Externally beaded sash to direct fix frame



> Internally beaded sash to odd leg frame