

**SERIES 500 SYSTEM**

The AM Profiles Series 500 Casement Window has been designed to provide a slim line, cost effective alternative to steel or other slim line windows, without sacrificing the performance criteria of the project.

**MATERIALS**

Aluminium profiles extruded from alloy 6063 T6 in accordance with BS1474-1987. Polyester powder coated to BS 6496 - 1984 (Full RAL and BS Range available). Anodised to BS 3987 or wrapped with PVC-U veneers.

**THERMAL BARRIER**

A polyurethane thermal barrier separates the external and internal surfaces. The window meets the requirements of document L.

**SYSTEM DETAILS**

The AMTHERM Casement window offers very slim sight-lines and is available in a wide range of styles:-

- Top Hung Open Out
- Side Hung Open Out
- Fixed Panes

Weather-stripping with Schlegel "Q-Lon".

**Furniture and fittings**

Securistyle "Defender" stainless steel friction hinges, or equal and approved. Hinges can incorporate a restrictor to limit the opening to 100mm.

Cockspur, Folding openers, or Espagnolette with a choice of colour coated and suited handles (locking or non locking).

Background Trickle Ventilation options.

**GLAZING**

Single, double or triple glazed options in accordance with BS 6262 from 4mm - 32mm.

**SECURITY**

The glazing and hardware of the window has been independently tested to meet the GGF specification 'improved security of window, Feb. 1995' or BSI PAS011.

**PERFORMANCE**

All AMTHERM windows are manufactured by trained and approved fabricators. Windows have been independently tested and achieved the following results.

**AIR INFILTRATION**

Samples satisfied the requirements of BS6375: Part 1 - 1989, achieving the highest pressure class of 600Pa Class C.

**WATER PENETRATION**

Samples achieved the requirements of BS6375: Part 1 - 1989.

**WIND RESISTANCE**

Samples achieved the requirements of BS6375: - Part 1 - 1989, achieving severe pressure class.

Comprehensive test report details on request.

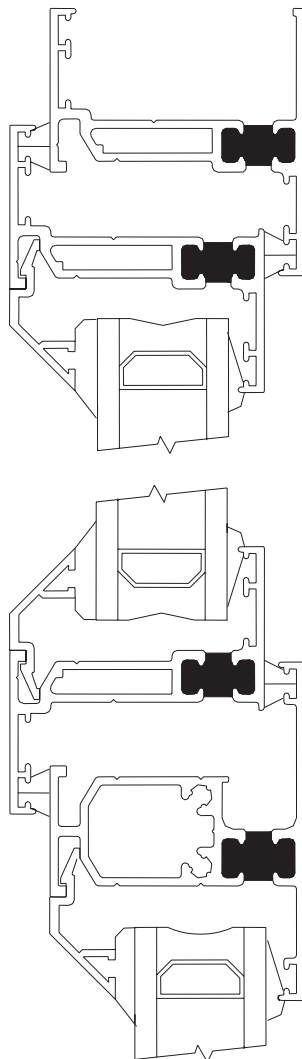
**FIRE ESCAPE**

AMTHERM casement windows can be designed to allow for fire egress and easy clean options within the same window.

**ANCILLARY PROFILES**

A range of Cills, Frame Extension and Coupling Profiles are available.

AM Profiles Ltd reserve the right to change designs and specification without prior notification.



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Drawing not to scale