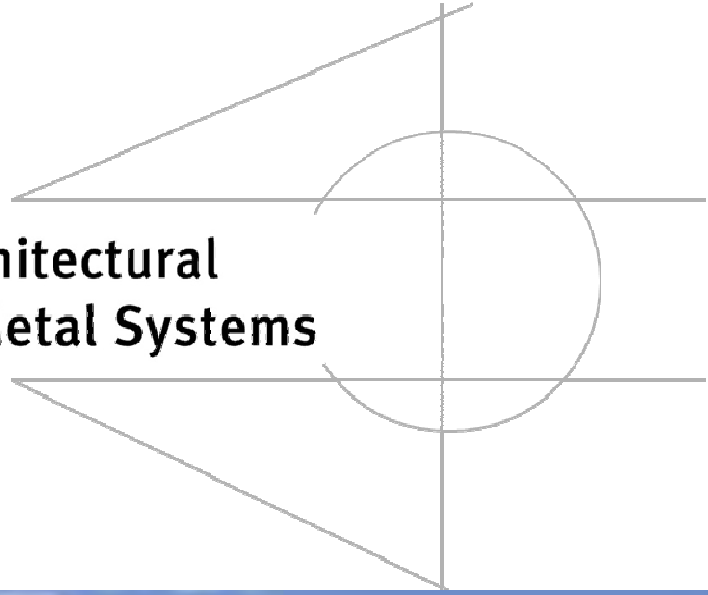


AMS

**Architectural
& Metal Systems**



**TS46 Thermstrip®
Sliding Door System**

■ TS46 Thermstrip® Energy Sliding Door Specification

TS46 Sliding Door

The AMS TS46 Thermstrip Energy Sliding Door system offers unique patented architectural design features combined with market leading thermal performance. This thermally broken sliding door system combines polyurethane resin with an multi chamber isolator core which assist in meeting and exceeding the thermal requirements of the current building regulations.

Materials

Aluminium profiles are extruded from aluminium alloy 6063 T5 and T6 complying with BS1474 / BS EN 12020-2:2001 / BS EN 755-9:2001.

Paint Finishes

Polyester Powder Coatings

Aluminium profiles can be dual colour polyester powder coated to EN 12206:2004.

AMS offers in house painting with the following paint suppliers –

Beckers

Interpon D - Azko Nobel

DuPont - Alesta

Pre-treatment is an 8 stage, chromate free, process and a 25 year guarantee is offered. Projects in close proximity to marine/ hazardous environments will require special application for guarantee prior to painting any material.

Decoral

Aluminium profiles can be polyurethane powder coated with a woodgrain effect paint finish to EN 12206:2004.

Anodised

Aluminium profiles can be anodised to BS3987.

Glazing

Glass shall be set against extruded EPDM gaskets externally and fitted into gasket grooves in the frame for improved air and water tightness. Gaskets shall be manufactured to BS4255. Snap in glazing clips shall be utilised to hold internal glazing beads in place. Glazing shall be to BS6262 and Building Regulations Approved Doc N

TS46 Sliding Door Fittings

Handles

Handles shall be Hoppe Pull Handles.

Locks

Locks shall be AMS four point lever locks with Euro cylinders.

Rollers

There shall be two Tandem rollers per sliding opening vent.

Sliding Opening Vents

Max O/Vent Height 2600mm

Max O/Vent Width 1500mm

Max O/Vent Weight 200Kgs

Performance

The sliding door system has been fully tested to the following exposure categories and standards. Reports are available upon request.

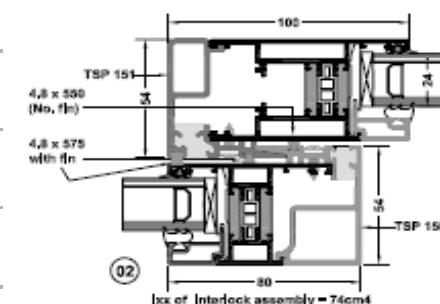
Tested to BS 6375-1 2004.

Air Classification – A3: 600 Pa.

Water Tightness – 9A: 600 Pa.

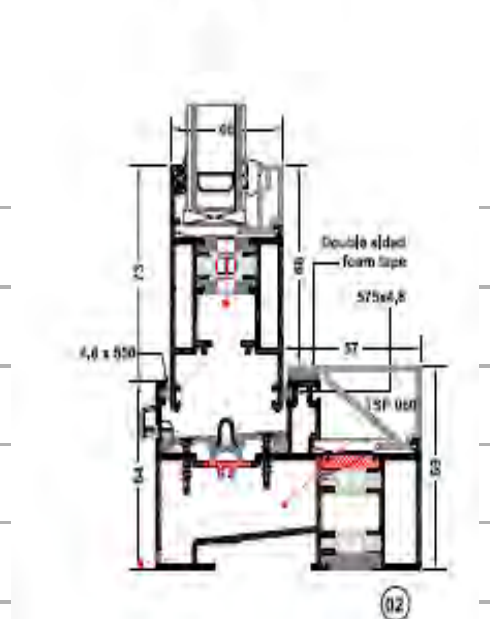
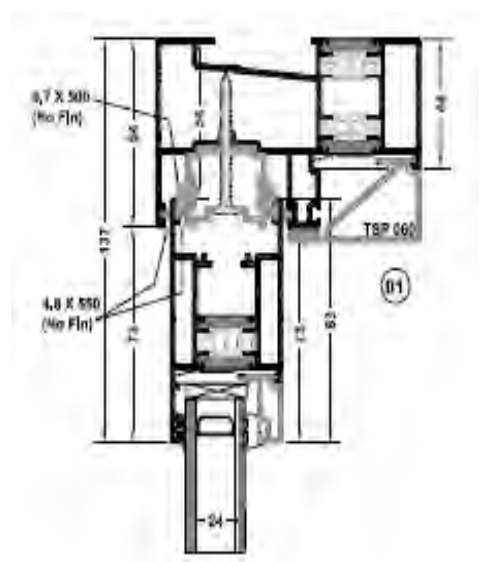
Wind Resistance – 3C: 1600 Pa.

(Sliding Patio Door)



Thermal Performance

The TS46 Thermstrip Energy Sliding Door system can achieve excellent thermal U frame values. Sliding Door and project U-values can be calculated and compliance demonstrated using V6 software or finite element analysis software 'Bisco'. AMS are certified by the BFRC (British Fenestration Rating council) for carrying out thermal simulations and energy rating of window systems and doors. This ensures correct methodology for calculating the thermal performance of window and door products.



■ TS46 Thermstrip® Energy Sliding Door Specification



Energy Window
 Architectural & Metal Systems
AMS TS66 Casement Aluminium Window
 TS6 200 – TS6 905 triple glazed

| | |
|---|---|
| | A |
| Energy Index (kWh/m ² /year) (Energy Index certified by BFRC and based on UK standard window. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature) The climate zone is: | 4 UK |
| Thermal Transmittance (U _{window}) Solar Factor (g _{window}) Effective Air Leakage (L _{actor}) | 1.2 W/m ² .K 0.39 0.00 W/m ² .K |

Reg. No.: 1420 M260
www.bfrc.org

This label is not a statutory requirement. It is a voluntary label provided as a customer service to allow consumers to make informed decisions on the energy performance of competing products.

AMS offer a range of energy efficient and energy rated aluminium window & door systems. The use of AMS 'patented' thermstrip technology was crucial in the process of achieving such outstanding thermal performance results and yet again proves the advantages of polyurethane resin with thermstrip applications.

To achieve compliance with Approved Document L / Section 6 Scotland it is recommended that windows and doors used in New Build projects achieve a U Value of 2.0w/m²k and replacement / alteration / extension projects achieve a U Value of 1.6w/m²k. Further, domestic projects are required to achieve the same figures or achieve a minimum of a 'C' rating. The approved documents were published in April 2010 and are live from October 2010.

AMS offer energy rated window products with labels which range from an 'A' rating with a triple glazed unit to a 'C' rating with a double glazed unit and U-values as low as 1.2 W/m²K.

What AMS is offering is an energy efficient window system with an energy rating certificate. Achieving the 'A' to 'C' rating on our products was made easier by the use of energy efficient triple & double glazed units with the use of warm edge technology. Once the correct glass has been installed into the fabricated window AMS or its approved dealer can then release the energy rated certificate to the consumer.



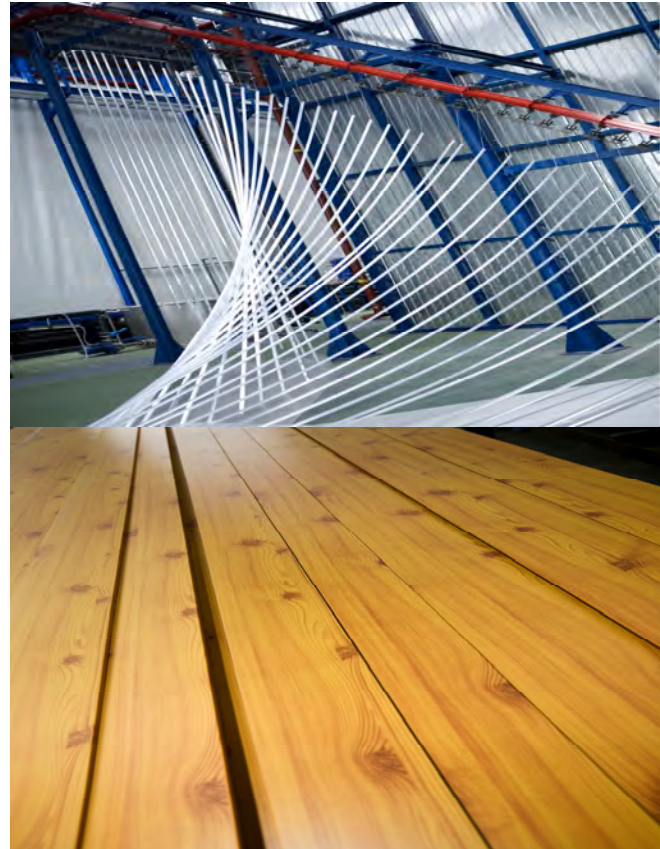
Paint Finishes

Polyester Powder Coatings

At AMS we can help you achieve the design effect you envisage with our wide choice of paint colours and finishes. AMS carry out all polyester powder coating in house with two horizontal paint lines and a new state of the art vertical paint line. Our eight stage chromate free pre-treatment process meets all of the latest environmental legislation and ensures a quality of finish and service every time. Paint will continue to look good year after year, with the minimum of maintenance.

Decoral

Decoral is a new and unique paint technology system available exclusively from AMS and is a first for the UK & Ireland markets. This system provides a consistent and durable timber wood grain finish on architectural aluminium profiles in many timber species. The system has been specifically developed and utilises the latest technology to produce a polyester powder coated base coat with a woodgrain effect finish applied to each profile via a heat transfer process. The system is commonly used on window systems and facades with the inclusion of various panel and cladding options available.



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