

Commercial Non-Thermal Door

AMS offers a commercial non-thermally broken door for use in heavy traffic environments such as retail units and schools. It is available in a single or dual swing operation or automatic opening.

Introduction

It door is designed to accommodate both single and double glazed applications of 6-12 mm and 20-24 mm thickness respectively. The suite of profiles include main and slave stiles, top, mid, bottom rails and low rise DDA compliant thresholds.

Thermal Performance

The system is a non-thermally broken commercial door solution.

Scope

This specification defines materials, fabrication, paint finishes, and size limitations for Commercial Non- Thermally Broken Doors.

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 are single colour polyester powder coated to BS6496.

AMS offers in house painting with the following paint suppliers :

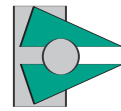
- Azko Nobel Interpon D
- Du Pont Alestia
- Beckers Powder

Decoral

Aluminium profiles can be polyester powder coated with a woodgrain effect paint finish to BS6496.

Anodised

Aluminium profiles can be anodised to BS1615 or BS3987.



Fabrication

Vertical stiles with horizontal rails shall be screw fixed into preformed screw ports. Frame members shall be square cut and fixed securely together by means of aluminium cleats stainless steel screws and bolts. Frame joints shall be sealed during construction.

Glazing

Glass shall be set against extruded EPDM gaskets both internally and externally. Wool pile seals are provided to resist water ingress. Glazing to doors shall have beads internally and externally. The system can accommodate 6-12mm Single & 20- 24mm Double glazed units respectively. Glazing shall be to BS 6262 and Building Regulations Document N.

Installation

AMS offer detailed installation instructions on all systems and these should be followed as per AMS's technical department's recommendations.

Door Thresholds

AMS offers several door threshold details as contained in their literature. In most common commercial applications it is required that DDA legislation be conformed with and this can be achieved with AMS low-rise threshold CDTM.

Door Fittings & Accessories

The AMS system is designed to suit heavy traffic operations and the following ironmongery is required to assist this.

Floor Springs

Adams Rite surface mounted floor springs for dual swing opening doors.

Butt Hinges

Crest hinges for hanging opening doors to the outer frame.

Handles

AMS standard Polyester Powder Coated Pad Handles.

Doors Closer

Adams Rite surface mounted closer.

Locking Mechanism

Euro cylinder hook locks with thumb turn and key.

Emergency Escape Mechanism

Fapim face fixed panic bar emergency opening device.

Opening Doors – Side Hung Open In or Open Out

Maximum Opening Door Height:	2400mm
Maximum Opening Door Width:	1150mm
Maximum Opening Door Weight:	100KG