



GT55 TB THERMALLY BROKEN COMMERCIAL DOOR SYSTEM

The GT55 TB commercial door system provides the ultimate combination of security and performance. It also includes thermal break profiles for improved performance. It is ideal for a range of heavy duty commercial and public sector applications including offices, hospitals, schools, warehousing and other industrial applications.

DESIGN FEATURES

- Anti-finger trap styles
- Thermal break technology for enhanced thermal performance
- Unique security and safety features
- DDA compliant overhead closer options using Dorma RTS 87
- Structurally enhanced door framing
- Fully glazed, commercial swing door
- Incorporates high security mechanical dead lock
- Mechanical and electro-mechanical multi-point locking options
- Dual colour

OPTIONS

- Available with a full range of security and customisable hardware
- Electronic and manual access systems easily integrated
- Glazed or non-glazed options
- Available in single or dual colour option, polyester powder coating and anodised finishes
- Standard or DDA compliant overhead closer

CONFIGURATIONS

- Single Doors (Open In)
- Single Doors (Open Out)
- Double Doors (Open In)
- Double Doors (Open Out)



GT55 TB THERMALLY BROKEN COMMERCIAL DOOR SYSTEM TECHNICAL SPECIFICATIONS

GT55 TB is one of the most robust thermally broken commercial door systems available on the market. The system has been fully tested and can be integrated with our GT55 ground floor treatment system. This robust and low maintenance door provides complete

flexibility in entrance solutions and is available in a wide range of colours and finishes to suit any project.

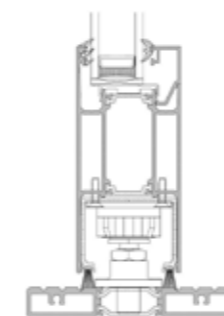
SPECIFICATIONS	SINGLE & DOUBLE THERMALLY BROKEN DOOR
Performance & Accreditation	
U-Value (Double Glazing)*	2.0 W/m ² K
U-Value (Triple Glazing)**	-
Green Guide Rating	C Rated
Acoustic Performance (dB)	npd
Air Tightness (Pa)	npd
Water Tightness (Pa)	npd
Wind Load (Pa)	npd
Security	npd
Configurations	
Opening	Open Out & Open In
Top Hung	--
Side Hung	--
Fixed Light	--
Tilt & Turn	--
Single Door	•
Double Door	•
Sliding Door	•
Design Features	
Max Vent Weight	80 Kg
Top Hung	--
Side Hung	--
Fixed Light	--
Tilt & Turn	--
Size Limits	
Frame Options	110mm
Dual Colour Option	--
Single Point Locking	•
Multi-Point Locking	•
Electro Mechanical Locking	•
Glazing Options	Internal
Glazing Thickness	24mm - 40mm



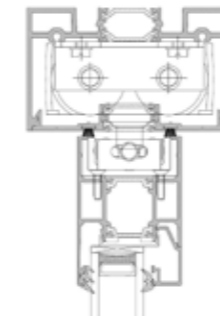
Thermally broken door system

CAD CROSS SECTIONS AND THERMAL PROFILE

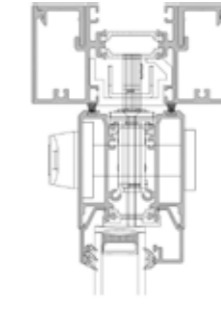
Threshold Detail



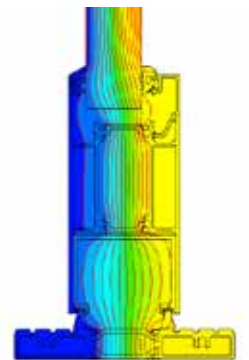
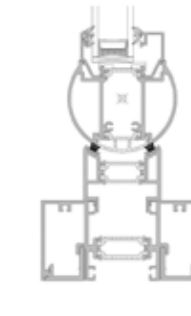
Transom Detail



Lock Stile Detail



AFT Hinge Stile Detail



U-Values based on 14351 size door (1000mm x 2180mm) using 1.1 W/m²K double glazing with warm edge Swisspacer V bar. ** U-Values based on 14351 size door (2000mm x 2180mm) using 0.7 W/m²K triple glazing with warm edge Swisspacer V bar. All weather test data taken from BS EN 6375-1 (Part of Pas 23) based upon highest performing door configuration. Sound insulation values are Rw reduction values and are based on tests using acoustic glazing.

Please note: NBS Specifications are available for all products and BIM Components for many. Please visit www.aluk.co.uk to download CAD files, BIM Components and NBS Specifications.