

GT55 TB

Commercial Door

An effective choice for shop fronts, entrances and ground floor treatments, the GT55 TB provides exceptional security and performance. Delivering high levels of energy efficiency thanks to its thermally broken profiles, the system has been designed in a ladder frame construction to provide a flexible solution for low-rise glazing applications. This means sealed units of 6mm up to 28mm can be accommodated to improve thermal and acoustic performance.

The system offers PAS 24 rating and is Secured By Design-accredited across a suite of configurations including single and double doors, screening, and side and fan lights. It also features a range of PAS 24 hardware including panic, mechanical and electro-mechanical locking for both single and double doors. Easily integrated with other AluK systems, the GT55 TB includes an integrated range of high traffic, anti-finger trap doors suitable for single storey applications.

DESIGN FEATURES

- ▶ Pocket or bead glazed for ease of site glazing
- ▶ 110mm frame depth to accommodate varying types of applications
- ▶ Slim 55mm profile width for increased glazing and light transmission
- ▶ Fully compatible with other AluK systems
- ▶ Mullion drainage options
- ▶ The most comprehensive PAS 24 and Secured By Design certified system on the market today
- ▶ Robust mechanical connection detail between rail and stile for ultimate strength in high traffic environments
- ▶ GT55 TB can be used to create louvred and panelled doors with a variation of inserts

OPTIONS

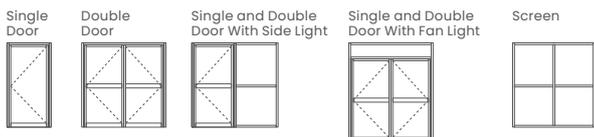
- ▶ Wide range of hardware available offering full customisation
- ▶ Available in single or dual colour polyester powder coating, texture and anodised finishes
- ▶ Ability to accommodate various architectural pull handles from other manufacturers



SPECIFICATIONS

	SINGLE	DOUBLE	GT55 TB SCREENING
PERFORMANCE AND ACCREDITATIONS			
U-Value (Double Glazing) (Ug: 1.0 W/m²K)	1.9 W/m²K	1.8 W/m²K	1.3 W/m²K
U-Value (Triple Glazing) (Ug: 0.7 W/m²K)	1.7 W/m²K	1.6 W/m²K	1.1 W/m²K
Air Permeability	-	-	Class 4 (600 Pa)
Water Tightness	-	-	Class E1200 (1200 Pa)
Wind Resistance	-	-	Class B4 (1600 Pa)
Durability EN 1191 Category	50,000 Cycles	50,000 Cycles	-
Security	PAS 24 & SBD	PAS 24 & SBD	PAS 24 & SBD
3rd Party Certification Q-Mark	✓	✓	✓
SYSTEM			
Depth	110mm	110mm	110mm
SIZE AND WEIGHT LIMITS			
Maximum Door Leaf Size (mm)	1250w x 2400h	2500w x 2400h	-
Maximum Door Leaf Weight	110kg	110kg	-
GLAZING			
Glazing Thickness (Single Glazing)	-	-	6mm - 12mm
Glazing Thickness (Double Glazing)	24mm - 40mm	24mm - 40mm	24mm - 30mm
SYSTEM FEATURES			
Single Colour	✓	✓	✓
Dual Colour	✓	✓	✓
Textured Finish	✓	✓	✓
Anodised Finish	✓	✓	✓
Thermally Broken	✓	✓	✓
Fire Exit option	✓	✓	✓
Part M compliant low threshold	✓	✓	-
Part M compliant closer	✓	✓	✓
Anti-Finger Trap	✓	✓	-
Sightlines	145mm	176mm	55mm
Mid-Rail and Lay Bar	✓	✓	✓
Panel Door	✓	✓	-
Multi-Point Locking	✓	✓	-
Single Point Locking	✓	✓	-
Concealed Hinges	✓	✓	-
Barrel Hinges	x	x	-
Electro Mechanical Locking	✓	✓	-
APPLICATIONS			
New Build - Residential	✓	✓	✓
New Build - Commercial	✓	✓	✓
Refurbishment	✓	✓	✓
Heavy Commercial	✓	✓	✓

SBD CONFIGURATIONS

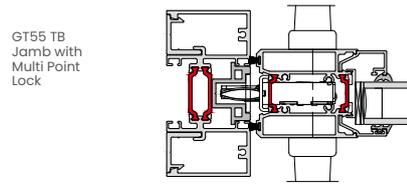


PAS 24 SECURITY RATED LOCK

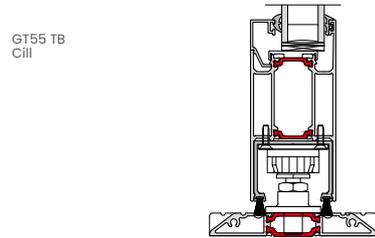
ALUK PART REF	RELEVANT	SINGLE DOOR				DOUBLE DOOR			
		MIN (W)	MIN (H)	MAX (W)	MAX (H)	MIN (W)	MIN (H)	MAX (W)	MAX (H)
Electronic access locking	1,2,3,4,5	500	-	1200	2400	500	-	1200	2400
Panic Doors (Dorma)	1,2,3,4,5	500	-	1200	2400	500	-	1200	2400
Electronic access panic doors (Dorma)	1,2,3,4,5	500	-	1200	2400	500	-	1200	2400
Panic Doors (Sentinel)	1,3,5	500	1882*	1200	2400	Not available for Double Door			
Manual locking	1,2,3,4,5	500	1882*	1000	2400	500	1882*	1000	2400

CAD CROSS SECTIONS AND THERMAL PROFILE

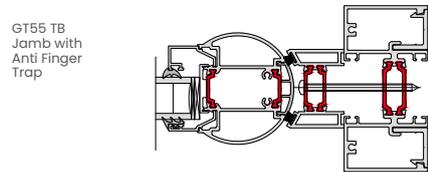
Additional details are available on request.



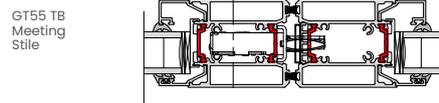
GT55 TB Jamb with Multi Point Lock



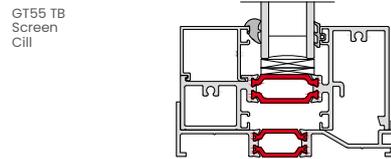
GT55 TB Cill



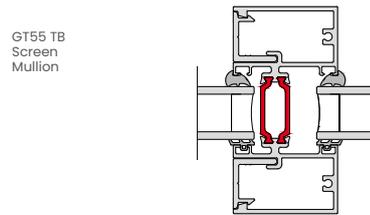
GT55 TB Jamb with Anti Finger Trap



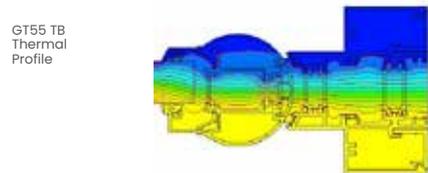
GT55 TB Meeting Stile



GT55 TB Screen Cill



GT55 TB Screen Mullion



GT55 TB Thermal Profile