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. Screening can accommodate single and double glazing. Doors can accommodate double and triple glazing.

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.

DESIGN FEATURES

› 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

› One of 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

› Different threshold, document M compliant

› Concealed closer hardware

ALUK.CO.UK

AluK (GB) Limited
Newhouse Farm Ind Est
Chepstow
NP16 6UD

AluK Design Studio
5-11 Worship Street
London EC2A 2BH
+44 (0)1291 639 739

AluK®

SPECIFICATIONS

Performance and accreditations	Single	Double	GT55 TB Screening
U-Value (Double Glazing) (Ug: 1.0 W/m²K)	1.7 W/m²K	1.8 W/m²K	1.4 W/m²K
U-Value (Triple Glazing) (Ug: 0.7 W/m²K)	1.5 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)
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)	1200w x 2400h	2400w x 2400h	–
Maximum Door Leaf Weight	110kg	110kg	–

Glazing

Glazing Thickness (Single Glazing)	–	–	6mm - 12mm
Glazing Thickness (Double Glazing)	24mm - 40mm	24mm - 40mm	26mm - 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	✓	✓	–

SBD CONFIGURATIONS

Single Door

Double Door

Single and Double Door With Side Light

Single and Double Door With Fan Light
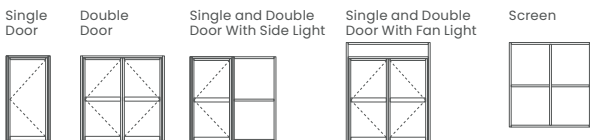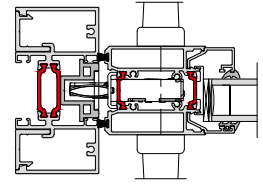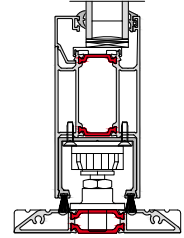
Screen

CAD CROSS SECTIONS AND THERMAL PROFILE

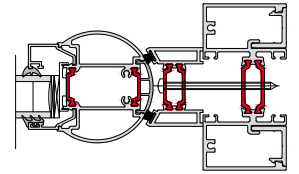Additional details are available on request.
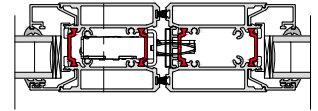

GT55 TB JAMB WITH MULTI POINT LOCK
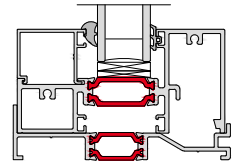

GT55 TB THRESHOLD

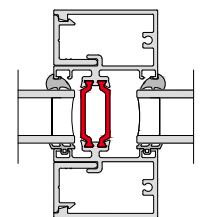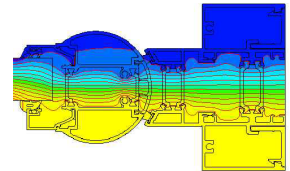GT55 TB JAMB WITH ANTI FINGER TRAP

GT55 TB MEETING STILE

GT55 TB SCREEN CILL

GT55 TB SCREEN MULLION

GT55 TB THERMAL PROFILE

PAS 24 SECURITY RATED LOCK

AluK Part Ref	Single Door				Double Door			
	Min (w)	Min (h)	Max (w)	Max (h)	Min (w)	Min (h)	Max (w)	Max (h)
Electronic access locking	500	–	1200	2400	500	–	1200	2400
Panic Doors (Dorma)	500	–	1200	2400	500	–	1200	2400
Electronic access panic doors (Dorma)	500	–	1200	2400	500	–	1200	2400
Panic Doors (Sentinel)	500	1882*	1200	2400	Not available for Double Door			
Manual locking	500	1882*	1000	2400	500	1882*	1000	2400