



## GROUND FLOOR TREATMENT SYSTEMS

**ALUK<sup>®</sup>**





# GROUND FLOOR TREATMENT SYSTEMS

AluK offers a complete ground floor treatment solution for hospitality, education, retail and residential sectors where low rise framing is required.

Through the option of thermally broken screening, our high performance system is versatile and adaptable, providing designers with the look and performance they require in both non-thermal and thermally insulated solutions.

Combining performance, modern profiles, large expanse glazing and a wide range of options and finishes, designers can create the look they wish to achieve, whether their project is low or medium rise.

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## GT55 TB GROUND FLOOR TREATMENT SYSTEM

A versatile and flexible solution for a range of applications including shop fronts, entrances and ground floor framing the GT55 TB aluminium ground floor treatment system has been designed to offer high levels of performance through thermally broken screening. The system also includes an integrated range of high-traffic, anti-finger trap doors suitable for single storey applications.

### 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
- Mullion options
- Wide glazing pocket for easy site glazing
- Can accommodate 6mm - 32mm sealed units for thermal and acoustic performance

### Options

- Available in single or dual colour option, polyester powder coating and anodised finishes
- Pocket or Bead glazed for ease of site glazing

### Configurations

- Flexible design allows GT55 TB to be tailored to suit your project needs
- Integrated doorsets



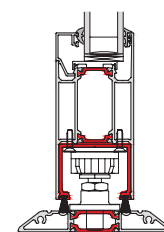
## GT55 TB Ground Floor Treatment System Technical Specifications

Providing high levels of thermal performance, the GT55 TB aluminium ground floor treatment system has been designed in a ladder frame construction to provide a flexible solution for low rise glazing applications and can be integrated with other AluK systems. Sealed units of 6mm up to 32mm can be accommodated to improve thermal and acoustic performance.

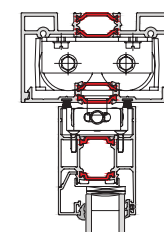
	GT55 SCREENING TB (THERMALLY BROKEN)
<b>PERFORMANCE &amp; ACCREDITATION</b>	
U-value (Double Glazing)*	1.4 W/m²K
Green Guide Rating	C Rated
<b>CONFIGURATIONS</b>	
Fixed Light	●
Single Door	-
Double Door	-
Sliding Door	-
<b>WEIGHT LIMITS</b>	
Fixed Light	200 Kg
<b>SYSTEM FEATURES</b>	
Frame Depth	110mm
Glazing Options	Pocket Bead
Glazing Thickness	6mm - 32mm

## CAD cross sections and thermal profile

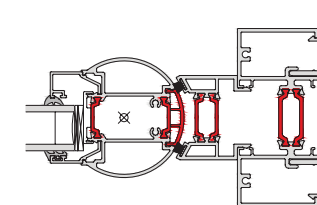
Threshold



Head



AFT Stile



\* Further details regarding profile Uw figures are available on request from AluK. Sound insulation values are Rw reduction values and are based on tests using acoustic glazing.

Please visit [www.aluk.co.uk](http://www.aluk.co.uk) to download all BIM components and CAD files.





### GT55 NI Ground Floor Treatment System Technical Specifications

The GT55 NI aluminium ground floor treatment system has been designed in a ladder frame construction to provide a flexible solution for low rise applications and can be integrated with other AluK systems. Sealed units of 6mm up to 32mm can be accommodated however without insulation this system is suitable for shop fronts and display windows

	GT55 SCREENING NI (NON-INSULATED)
PERFORMANCE & ACCREDITATION	
U-value (Double Glazing)*	2.1 W/m²K
Green Guide Rating	C Rated
CONFIGURATIONS	
Fixed Light	•
SIZE LIMITS	
Fixed Light	200 Kg
SYSTEM FEATURES	
Frame Options	110mm
Glazing Options	Pocket Glazed
Glazing Thickness	6mm - 32mm

### GT55 NI GROUND FLOOR TREATMENT SYSTEM

The GT55 NI aluminium ground floor treatment system is a non-insulated product for internal use in applications such as shopping centres, medical centres and other areas that require significant partitioning without the need for thermal insulation. The system offers all the same benefits as the GT55 TB system but without the thermal insulation and thus at a more economic price point.

#### Design Features

- Pocket or Bead glazed for ease of site glazing
- 110mm frame depth to accommodate varying types of applications
- Slim 55mm frame profile for increased glass appearance
- Fully compatible with other AluK systems

#### Options

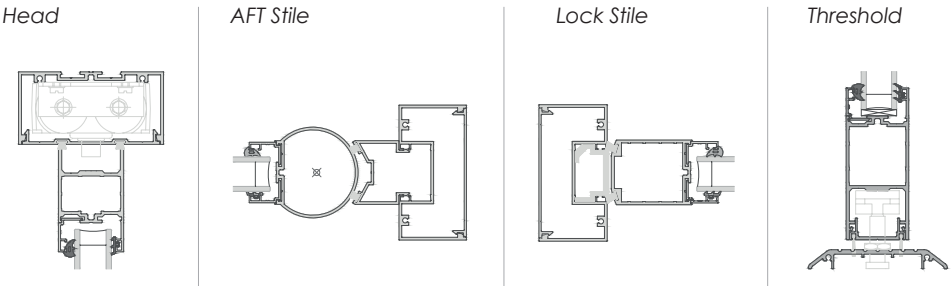
- Can accommodate 6mm - 32mm sealed units for acoustic performance
- Available in single colour, polyester powder coating and anodised finishes

#### Configurations

- Flexible design allows GT55 NI to be tailored to suit your project needs
- Integrated doorsets



### CAD cross sections and thermal profile



\* Further details regarding profile Uw figures are available on request from AluK. Sound insulation values are Rw reduction values and are based on tests using acoustic glazing. Please visit [www.aluk.co.uk](http://www.aluk.co.uk) to download all BIM components and CAD files.





## GT55 TB THERMALLY BROKEN 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

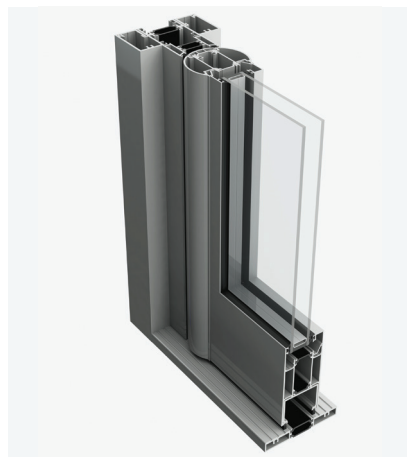
- Successfully tested to PAS24 with standard, entry control and panic hardware
- Thermal break technology for enhanced thermal performance
- Unique security and safety features
- Structurally enhanced door framing
- Fully glazed, commercial swing door
- Low Threshold
- Tested to PAS 24 and certified under the Secured by Design scheme

### Options

- Available with a full range of security and customisable hardware
- Electronic and manual access systems are easily integrated
- Available in single or dual colour option, polyester powder coating and anodised finishes
- Anti-finger trap stiles option
- DDA compliant overhead closer option

### Configurations

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



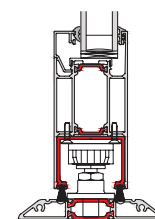
## GT55 TB Thermally Broken Door System Technical Specifications

Providing high levels of thermal performance, the GT55 TB aluminium ground floor treatment system has been designed in a ladder 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.

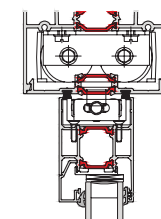
GT55 TB SINGLE & DOUBLE DOOR	
<b>PERFORMANCE &amp; ACCREDITATION</b>	
U-value (Double Glazing)*	1.8 w/m²K
Window Energy Rating (WER)	C Rated
Security	PAS 24
Secured by Design	Yes
<b>CONFIGURATIONS</b>	
Opening	Open In / Open Out
<b>SIZE LIMITS</b>	
Max Leaf Weight	80 Kg
Panic Exit Device	Yes
<b>SYSTEM FEATURES</b>	
Frame Options	110mm
Single Point Locking	•
Multi-Point Locking	•
Electro Mechanical Locking	•
Glazing Options	Internal
Glazing Thickness	24mm - 40mm

## CAD cross sections and thermal profile

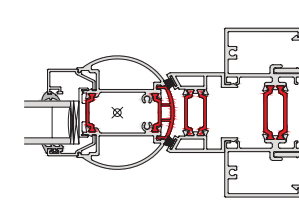
Threshold



Head



AFT Stile



\* Further details regarding profile Uf figures are available on request from Aluk. \*\* Uf-Values based on 0.7 W/m²K triple glazing with warm edge Swisspacer V bar. Sound insulation values are Rw reduction values and are based on tests using acoustic glazing.

Please visit [www.aluk.co.uk](http://www.aluk.co.uk) to download all BIM components and CAD files.





➤ **GT55 NI  
NON-INSULATED DOOR SYSTEM**

The GT55 NI commercial door system provides the ultimate in security, certified to LPS 1175 (SR2) and by Secured by Design at a competitive price point. It does not include insulation and thus is ideal for a range of high traffic applications in the commercial and public sector including retail outlets, offices, hospitals, schools, warehousing as well as other industrial applications.

**Design Features**

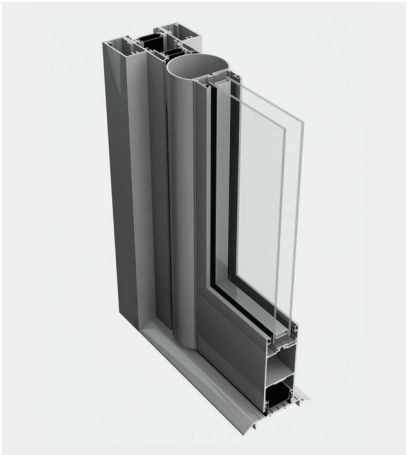
- Fully glazed, commercial swing door
- Unique security and safety features
- Structurally enhanced door framing
- Integrated with GT55 ground floor treatment system

**Options**

- Available with a full range of security and customisable hardware
- Electronic and manual access systems easily integrated
- Available with single colour, polyester powder coating and anodised finishes
- SBD LP51175 & PAS 24 compliant

**Configurations**

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

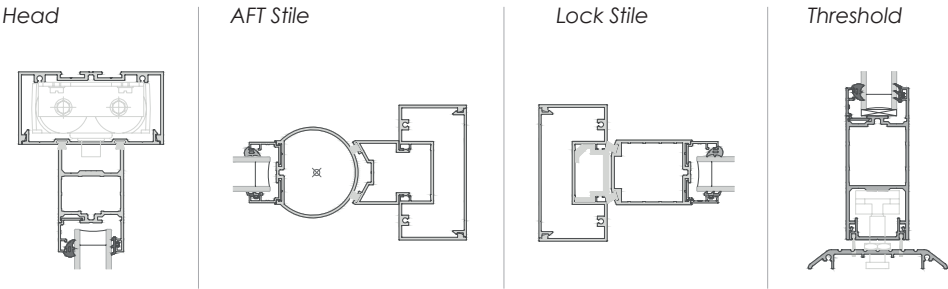


**GT55 NI non-insulated Door System Technical Specifications**

Available in standard, PAS 24 and LPS1175 (SR2) options, the GT55 NI aluminium door system is one of the most secure swing doors available on the market. The system has been fully tested with full glazing, no use of steel reinforced panels, as well as with semi-glazing and can be integrated with our ground floor treatment systems. It suited to high traffic environments where no insulation is required.

GT55 NI SINGLE & DOUBLE DOOR	
PERFORMANCE & ACCREDITATION	
U-value (Double Glazing)*	3.1 W/m²K
Security	LPS1175 SR2
CONFIGURATIONS	
Opening	Open Out / Open In
Single Door	•
Double Door	•
Sliding Door	•
SIZE LIMITS	
Max Vent Weight	80 Kg
SYSTEM FEATURES	
Frame Options	110mm
Single Point Locking	•
Multi-Point Locking	-
Electro Mechanical Locking	•
Glazing Options	Internal
Glazing Thickness	24mm - 28mm

**CAD cross sections and thermal profile**



\* Further details regarding profile Uf figures are available on request from AluK. \*\* Uf-Values based on 0.7 W/m2K triple glazing with warm edge Swisspacer V bar. Sound insulation values are Rw reduction values and are based on tests using acoustic glazing.

Please visit [www.aluk.co.uk](http://www.aluk.co.uk) to download all BIM components and CAD files.





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