

NORTHERN GLAZING SYSTEMS LTD

THERMAL PERFORMANCE / ENERGY PERFORMANCE STATEMENT

COMMERCIAL ALUMINIUM ENTRANCE DOOR & SIDE SCREEN

System / profile	AluK thermally broken commercial aluminium system*
Overall frame size	1550 mm wide x 2170 mm high
Approx. overall area	3.36 m ²
Configuration	Single commercial entrance door with glazed side screen
Glazing	28 mm insulating glass unit, toughened safety glass
Recommended IGU build-up	6 mm toughened / 16 mm argon cavity / 6 mm toughened Low-E
Spacer	Warm-edge spacer recommended
Application	External pedestrian entrance - non-domestic building

Declared / Design Thermal Target

DESIGN TARGET	PART L LIMITING VALUE
$\leq 1.60 \text{ W/m}^2\text{K}$	$1.60 \text{ W/m}^2\text{K}$
Whole doorset / side-screen target	Pedestrian doors (including glazed doors), Approved Document L Volume 2, 2021 edition incorporating 2023 amendments

Compliance Statement

The proposed aluminium entrance assembly is specified as a thermally broken AluK commercial door and side-screen with a 28 mm Low-E argon-filled insulating glass unit. The design intent is for the complete installed assembly to achieve a whole-product U-value of 1.60 W/m²K or better, aligning with the limiting U-value for pedestrian doors (including glazed doors) in Approved Document L, Volume 2 for buildings other than dwellings.

IMPORTANT: This document is an EPC-style product thermal performance statement prepared from the stated project specification. It is not a statutory building EPC, not an AluK-issued certificate and not an independent laboratory test report. The exact whole-product U-value must be supported by the selected AluK system's project-specific U-value calculation / Declaration of Performance, taking account of the actual door leaf, side-screen proportions, frame sections, glass Ug-value, spacer and hardware. No independent test result is claimed by this document.

Relevant Standards / Guidance

- Approved Document L, Volume 2 - Conservation of fuel and power: buildings other than dwellings (2021 edition incorporating 2023 amendments).
- BS EN ISO 10077-1 / BS EN ISO 10077-2 - thermal performance calculation methodology for windows, doors and shutters.
- BS EN 12150-1 - thermally toughened soda lime silicate safety glass.
- BS EN 1279 series - insulating glass units.

Prepared for	Northern Glazing Systems Ltd
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Product	Commercial aluminium door with glazed side screen
Overall dimensions	1550 x 2170 mm
Profile	AluK (exact series to be confirmed)
Issue date	04 August 2026
Document status	Design / specification statement

Prepared as a project-specific thermal performance statement. Retain the AluK project calculation / DoP and glass supplier specification with this document for Building Control or client records.