

ST70

Thermally Insulated Aluminium Door & Window System

Technical overview, system features and performance data

SYSTEM OVERVIEW

ST70 is an insulated aluminium door and window system designed to combine a clean architectural appearance with dependable thermal performance. Its application range supports multiple door and window configurations while maintaining a consistent visual language.

The system supports contemporary hardware and installation options and is suitable for residential and commercial fenestration projects. The source data highlights straightforward fabrication, adaptable configurations and a strong balance of aesthetics and performance.



01 Fabricated thermal break

Improves thermal separation within the aluminium frame.

02 Glass thickness up to 47 mm

Supports a broad range of glazing configurations.

03 70 mm frame profile

A substantial frame depth for insulated applications.

04 Multiple hinge options

Concealed, standard and pivot hinge configurations.

SYSTEM HIGHLIGHTS

70 mm

FRAME PROFILE

47 mm

MAX. GLASS THICKNESS

THERMAL

BREAK CONSTRUCTION

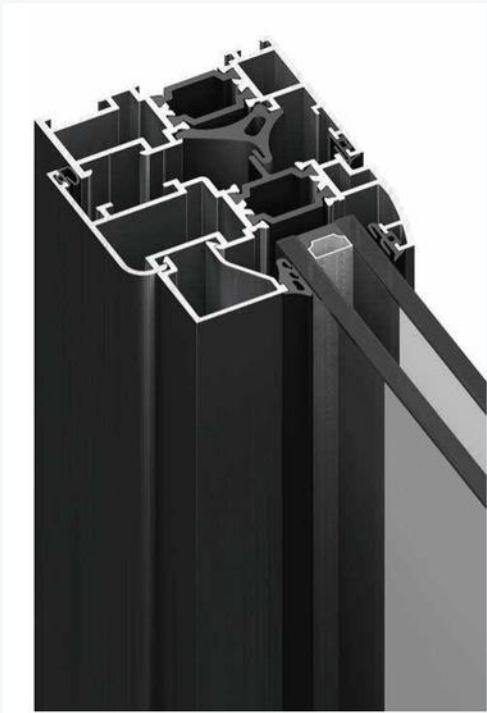
WINDOW / DOOR

SYSTEM FAMILY

Technical Specifications

ST70 system dimensions and published performance values

FRAME SECTION



DIMENSIONS

APPLICATION	COMPONENT	VALUE
Outward opening window	Frame	26 / 46 mm
	Sash	66 mm
Inward opening window	Frame	51 / 71 mm
	Sash	33 / 46 / 64 mm
Outward opening door	Frame	48 mm
	Sash	92 mm
Inward opening door	Frame	71 mm
	Sash	67 mm
System depth	Frame	70 mm
	Sash	76 mm
Glass thickness*	Frame	12 / 53 mm
	Opening sash	6 / 47 mm

* Take double glazing thickness tolerances into consideration.

Published Performance

Values reproduced from the supplied ST70 technical sheet.

Thermal transmission

$U_w \leq 2.1 \text{ W/m}^2\text{K}$

$U_g \leq 1.7 \text{ W/m}^2\text{K}$

EN 10077-2

Air permeability

Class 4

EN 1026 / EN 12207

Water tightness

Class 9A

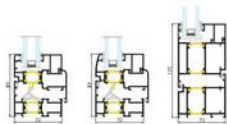
EN 1027 / EN 12208

Resistance to wind

C1 / B1

EN 12210 / EN 12211

APPLICATION EXAMPLE



Representative profile sections from the supplied technical sheet.