SUPREME S650 PHOS

THERMALLY INSULATED MINIMAL SLIDING SYSTEM

Concealed perimeter frame options, narrow central meeting profile, double/triple glazing and wide-span configurations. Manufacturer-published characteristics are indicative of the stated system and must be checked against the project configuration.

GEOMETRY AND GLAZING | METRIC / US

Sash depth	**62 mm**	2.44 in
Central interlocking sightline	**25 mm**	0.98 in
Maximum glazing thickness	**46 mm**	1.81 in
Minimum threshold height	**35 mm**	1.38 in
Sash weight, manufacturer upper limit	**1,000 kg**	2,205 lb

CONSTRUCTION CHARACTERISTICS

Opening: sliding. Glazing: double / triple. Thermal separation: polyamides and thermoplastic. Sealing: perimeter tri-fin brushes. Configurations include multi-track, corner and fixed-light combinations, subject to design approval.

READING NOTE

The 1,000 kg manufacturer figure is a system upper limit, not confirmation that any requested sash dimension or glazing build-up can safely be manufactured.

Independent technical datasheet prepared by Mparolas. Not issued or approved by the system manufacturer.
Specifications are based on manufacturer documentation and may vary by configuration.

PERFORMANCE & TEST RESULTS

EUROPEAN PERFORMANCE | MANUFACTURER-PUBLISHED

Air permeability	EN 12207	Class 4
Watertightness	EN 12208	Class 9A
Wind-load resistance	EN 12210	Class C5
Burglary resistance	EN 1627-1630	RC2
Sound reduction	EN 717 / EN 14351	Rw 46 dB

THERMAL TRANSMITTANCE

Published Uw, specific specimen	1.10 W/(m²·K)	0.194 Btu/(h·ft²·°F)
Specimen width × height	5,000 × 2,500 mm	196.85 × 98.43 in
Glazing Ug	0.70 W/(m²·K)	0.123 Btu/(h·ft²·°F)

INTERPRETATION

Uw refers to the overall window/transmission value for the ALUMIL brochure specimen with the stated dimensions and glazing Ug. It must not be interpreted as a universal value for every S650 PHOS size, infill or track configuration.

European EN classes remain EN classes. Conversion of pressure or thermal units does not create an ASTM, AAMA, NFRC or Canadian certification.

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TESTING, STANDARDS & DOCUMENTATION

REPORTED EUROPEAN TESTS / CLASSIFICATIONS

EN 1026 / EN 12207	Air permeability	Class 4
EN 1027 / EN 12208	Watertightness	Class 9A
EN 12211 / EN 12210	Wind-load resistance	Class C5
EN 1627-1630	Burglar resistance	RC2
EN 717 / EN 14351	Sound reduction	Rw 46 dB
EN ISO 10077-2	Thermal calculation	See page 2

NORTH AMERICAN / AUSTRALIAN DOCUMENTATION

ALUMIL states in its S650 prequalification documentation that SUPREME S650 has AAMA and AS documentation available on request. The publicly reviewed materials do not identify a report number, specific NAFS/ASTM grade, tested specimen or approved market configuration.

STATUS: MANUFACTURER DOCUMENTATION REQUIRED BEFORE ANY US RATING CLAIM

OFFICIAL MANUFACTURER SOURCES

01 ALUMIL S650 PHOS - official product page

02 ALUMIL S650 PHOS - manufacturer technical brochure

03 ALUMIL S650 - prequalification / AAMA-AS statement

Values depend on exact system version, tested specimen and glazing configuration.

This is an independent Mparolas reference sheet, not an ALUMIL certificate or approval.

Confirm current test reports and project-specific compliance with the manufacturer.

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