# Alumil SMARTIA S85





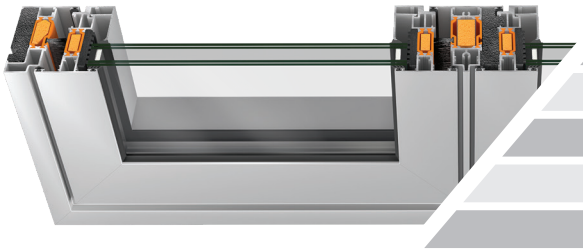
## REDEFINING FREEDOM OF SPACE



Alumil expands its product range with SMARTIA S85, a new, minimal, high-performance system. Designed for modern architecture, it offers a sophisticated outward-opening solution that fully maximizes interior space. Its profiles combine top-tier structural robustness, exceptional thermal insulation, and timeless durability.

- An outward-opening minimal design with only 68 mm visible aluminum, maximizing natural light, comfort and space flexibility.
- Fully flush profiles (both internally and externally), ensuring clean and minimal design lines.
- Two energy-efficient versions featuring NRG Bars for low thermal consumption, compliant with UK Doc-L specifications.
- Glazing of 28 mm and 44 mm, ensuring highly effective noise insulation.
- Continuous and secure overnight ventilation, thanks to the specialized Night Vent Keep component.

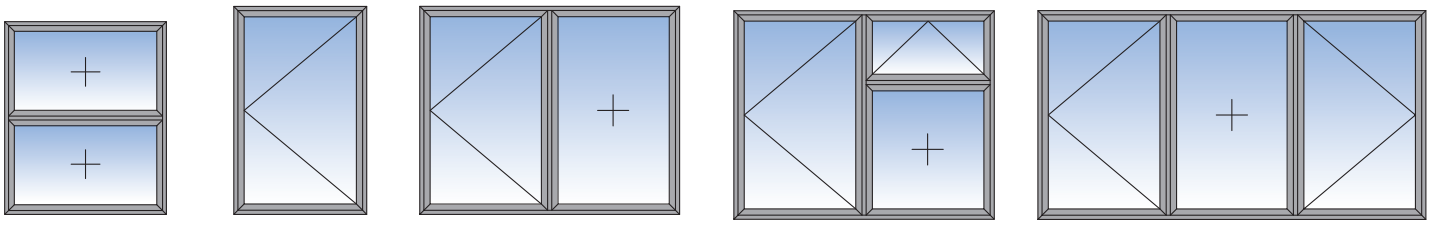
# SMARTIA S85



## TECHNICAL CHARACTERISTICS

| | |
|---|---|
| MINIMUM ALUMINIUM FACE WIDTH | 68 mm |
| FRAME HEIGHT | 40,1 / 50,5 / 65 mm |
| FRAME WIDTH | 85 mm |
| SASH HEIGHT | 53,5 mm |
| SASH WIDTH | 85 mm |
| MAXIMUM SASH WEIGHT | 50 KG |
| GLAZING INFILL | 28 mm and 44 mm |
| INSULATION | Polyamides 34mm & 40 mm width, Insulation foam & NRG Bars |

## TYPOLOGIES



Two fixed lights

Single side-hung window

Single side-hung window with fixed side light

Single side-hung window with fixed side light and projected window

Fixed light with two single side-hung windows

## HIGH-PERFORMANCE MECHANISMS

A premium range of friction stays is available, covering every safety and cleaning requirement:

- **Egress:** Full 90° opening for emergency exit and a shifting sash for easy exterior cleaning.
- **Defender Plus:** Ideal for large openings, supporting sash weights of up to 50 kg.
- **Defender Restricted:** Opening restriction for child safety (suitable for schools and hospitals). Features a release lever to open up to 65° for cleaning.

## CERTIFICATES

| | |
|---|---|
| Air permeability EN 12207 | CLASS 4 |
| Water tightness EN 12208 | CLASS E750 |
| Wind load resistance EN 12210 | Class C5/B5 |
| Burglar resistance | PAS 24: 2022 |
| Operating forces EN 13115 | Class 1 |

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