

# Alumil

## SMARTIA S440



### SLIDING INSULATED SYSTEM

SMARTIA S440 is an innovative insulated sliding system which incorporates all the modern architectural trends and the requirements for high energy-efficiency. It is an ideal option for the very demanding European market.

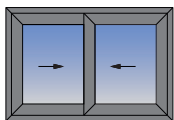
- Basic sash depth of system 44 mm.
- Minimum visible interlock width of only 39 mm so as to maximize visibility and natural lighting.
- Safety and increased burglar resistance thanks to the concealed locking points.
- Optional mounting profile available (especially designed for the French market).
- Smooth and easy sliding thanks to anodized rails.
- Two sash profiles available for 45° and 90° assembling.
- Max Glass thickness up to 32 mm and weight per sash up to 180 Kg.
- Certified system performance by IFT Rosenheim.



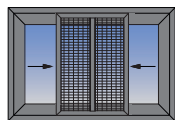
### TECHNICAL CHARACTERISTICS

Visible aluminium face width	111,5 mm
Frame height	45 mm
Frame width	103 mm
Sash height	75 mm
Sash width	44 mm
Interlocking profile width	39 / 78,5 mm
Sash weight	up to 180 Kg
Glazing	32 mm
Insulation	Polyamides 40 mm & 32 mm width, PVC

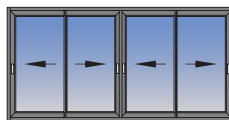
### TYOLOGIES



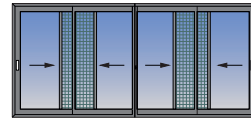
Two sash sliding window\*



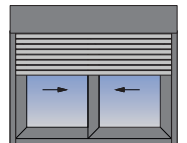
Two sash sliding window with fly screen\*



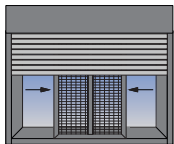
Four sash meeting stile window\*



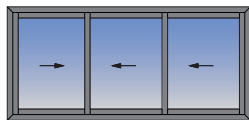
Four sash meeting stile window with fly screen\*



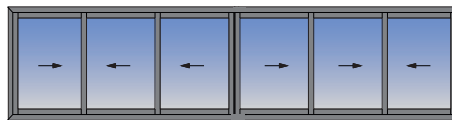
Two sash sliding window with rolling shutter\*



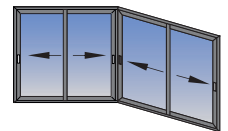
Two sash sliding window with rolling shutter and fly screen\*



Three sash sliding window\*

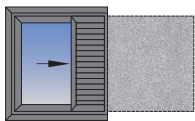


Six sash meeting stile window\*

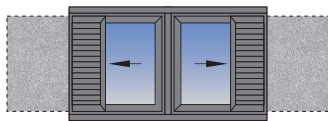


Four sash sliding window 90° & 270° corner typology\*

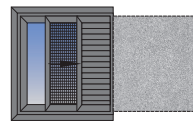
### Sliding into wall cavity



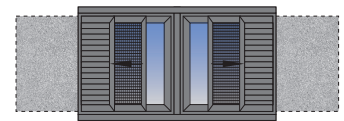
Single sash sliding window with shutter\*



Two sash sliding window with shutter\*



Single sash sliding window, with fly screen & shutter\*



Two sash sliding window, with fly screen & shutter\*

\*All typologies can be mounted in both 45° and 90°

### CERTIFICATES

#### ASTM AAMA 501.05

	Preload	+ 600 Pa
	Static air leakage Infiltration/Exfiltration	+ 300 Pa
	Static water penetration	+ 390 Pa
	Structural performance procedure B	
	100% of Design wind load	± 1200 Pa
	150% of Design wind load	± 1800 Pa

#### IFT Rosenheim

	Air permeability EN 1026, EN12207	CLASS 3
	Watertightness EN 1027, EN 12208	CLASS 750
	Resistance to wind load EN 12210, EN 12211	CLASS C3/B3
	Thermal Insulation EN 10077-2	U <sub>f</sub> from 1,5 W/m <sup>2</sup> K

