

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.

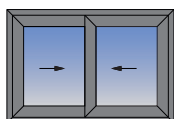
- Basic sash depth of system 44 mm.
- Minimum visible interlock width of only 39 mm so as to maximize visibility and natural lighting.
- Safety and increased burglar resistance thanks to the concealed locking points.
- Optional mounting profile available (especially designed for the French market).
- 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.



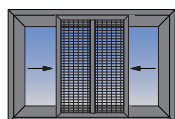
TECHNICAL CHARACTERISTICS

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

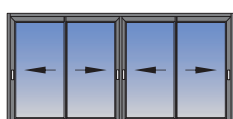
TYOLOGIES



Two sash sliding window*



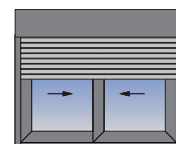
Two sash sliding window with fly screen*



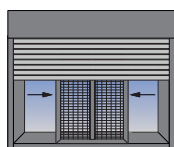
Four sash meeting stile window*



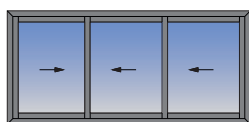
Four sash meeting stile window with fly screen*



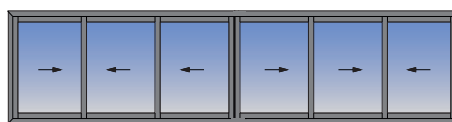
Two sash sliding window with rolling shutter*



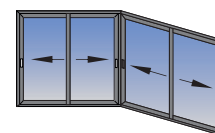
Two sash sliding window with rolling shutter and fly screen*



Three sash sliding window*

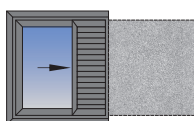


Six sash meeting stile window*

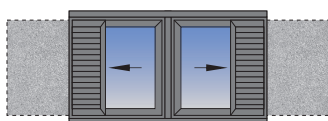


Four sash sliding window 90° & 270° corner typology*

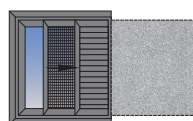
Sliding into wall cavity



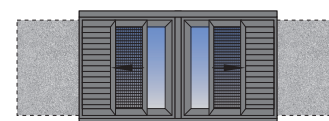
Single sash sliding window with shutter*



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 _f from 1,5 W/m ² K

