



THERMAL SLIDING SYSTEM

SUPERIOR SL-450S

GERMAN ENGINEERING SINCE 1967

INTRODUCTION

SL450S is a 35mm sash depth sliding system.

It is a thermally broken system using 14mm polyamide

strips and 44 mm pvc gutter width, all at the same line

under the glass so as to achieve the better possible thermal

performance at this category. It is designed to be used as

lightweight lift & slide system (180kg per sash), as well as a simple sliding (using different type or hardware so as

comply with diverse specifications). It meets all the known typologies such as double or triple bypass balcony doors

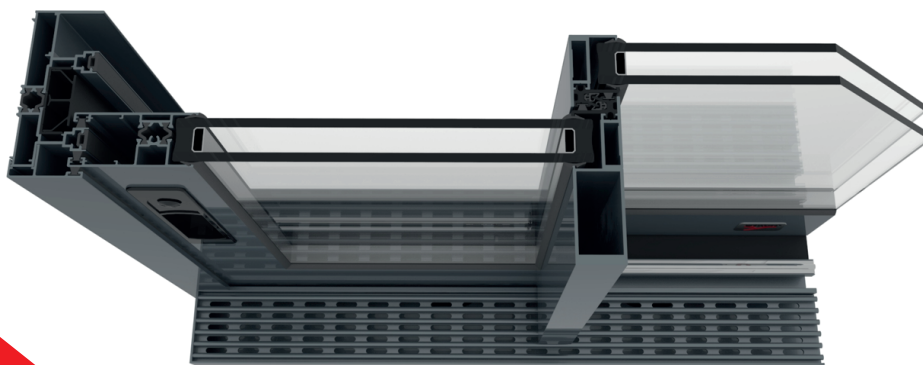
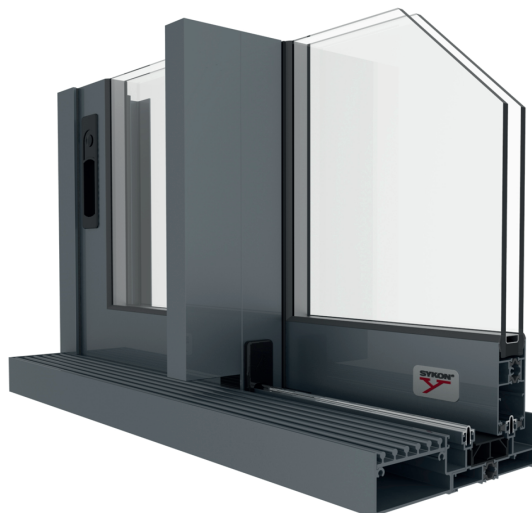
with or without insect screen positioned in or out. A robust, long lasting sliding system, which at the same time looks

elegant due to the small size of the profiles in reference to the size of openings that can be implemented. Additionally,

the alternative of the slim interlock gives an elegant appearance, in a classic design sliding. The aluminium thickness

(1,4 to 2,2mm) differs according to the areas of the profile so as to achieve a reduced cost system, without affecting the

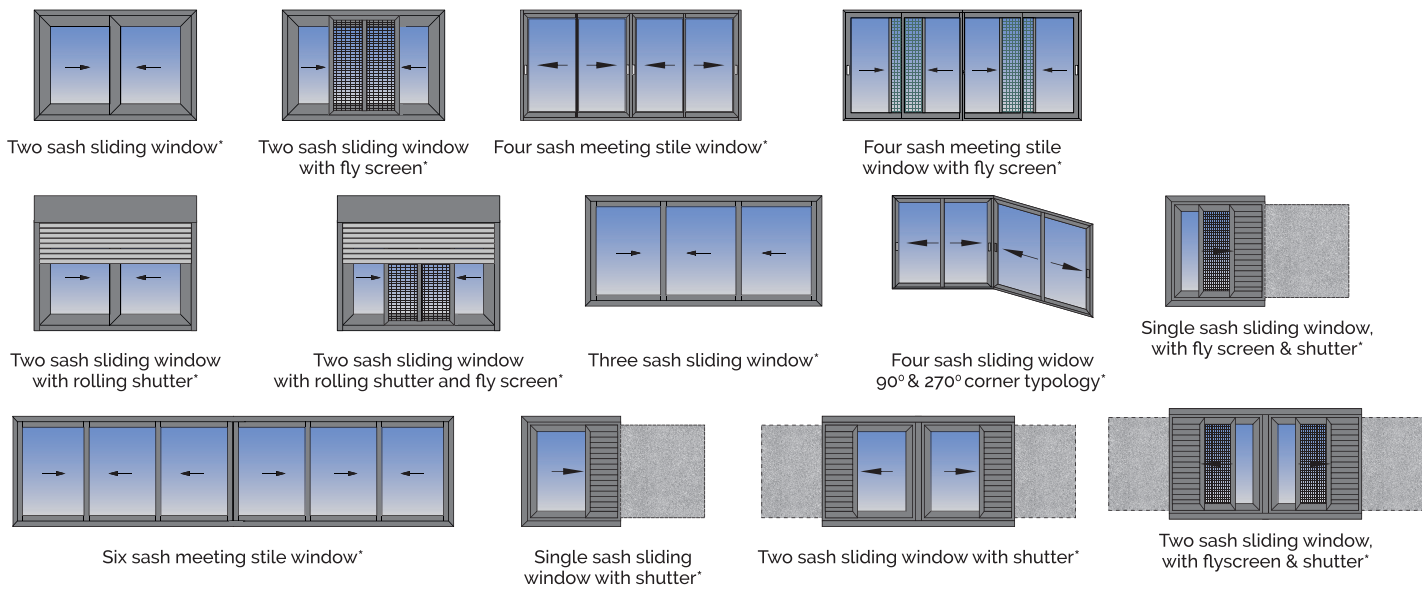
stiffness of the end product.



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TYOLOGIES



TECHNICAL CHARACTERISTICS

Visible aluminium face width	111,5 mm
Frame height	45 mm
Frame width	103 mm
Sash height	75 mm
Sash width	35 mm
Sash weight	up to 200 Kg
Glazing	28mm
Insulation	Polyamides 14 mm & 32mm width, PVC
Interlocking profile width	30 mm

CERTIFICATES

	Air permeability EN 1026, EN 12207	CLASS 3
	Watertightness EN 1027, EN 12208	CLASS E600
	Resistance to wind load EN 12210, EN 12211	CLASS C3/B3
	Thermal Insulation EN 10077-2	U_f = from 1.4W/m ² k depending on type dimension & glazing
	Prelad	+ 600 Pa
	Static air leakage Infiltration/Exfiltration	+300 Pa
	Static water penetration	+600 Pa
	Structural performance procedure B 100% OD Design wind load 150% of Design wind load	± 1200 Pa ± 1800 Pa

