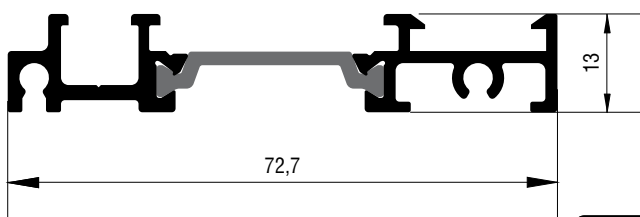


**Μόνο Φυσική Ανοδίσωση
Natural Anodising only**



S77508	
Κάσα Frame	
Εξωτερική περίμετρος External perimeter	414,5 mm
Κύρια περίμετρος Primary perimeter	98 mm
Ροπή αδρανείας x-x * (cm ⁴) Moment of inertia x-x * (m ⁴)	21,74 25,51 27,8 29,24 30,2 30,85 <1,5 <2,0 <2,5 <3,0 <3,5 >3,5
Ροπή αδρανείας y-y Moment of inertia y-y	6,19 cm ⁴
Γωνία σύνδεσης χυτή Die cast corner cleat	1405852000 or 1131310100
	1405828000 or 1131319600
Μεταβλητή γωνία Variable corner cleat	1351310200 OUT 1351319600 IN
NRG BAR	3132501000
Γωνία επιπεδότητος Alignment corner	1807728000
Γέφυρα τακαρίσματος Glazing bridge	2907700500

S77510	
Κάσα Frame	
Εξωτερική περίμετρος External perimeter	412,4 mm
Κύρια περίμετρος Primary perimeter	110,3 mm
Ροπή αδρανείας x-x * (cm ⁴) Moment of inertia x-x * (m ⁴)	24,55 29,32 32,32 34,25 35,54 36,44 <1,5 <2,0 <2,5 <3,0 <3,5 >3,5
Ροπή αδρανείας y-y Moment of inertia y-y	12,57 cm ⁴
Γωνία σύνδεσης χυτή Die cast corner cleat	1405853000 or 1132310200
	1405829000 or 1132319600 or 1162319400
Μεταβλητή γωνία Variable corner cleat	1352310200 OUT 1352319600 IN
NRG BAR	3132502100
Γωνία επιπεδότητος Alignment corner	1807728000
Γέφυρα τακαρίσματος Glazing bridge	2907700500

S77684	
Χαμηλό κατωκάσι για Α.Μ.Ε.Α P.R.M Frame	
Εξωτερική περίμετρος External perimeter	284,6 mm
Κύρια περίμετρος Primary perimeter	40,1 mm
Ροπή αδρανείας x-x * (cm ⁴) Moment of inertia x-x * (m ⁴)	11,15 12,38 13,06 13,47 13,73 13,90 <1,5 <2,0 <2,5 <3,0 <3,5 >3,5
Ροπή αδρανείας y-y Moment of inertia y-y	0,28 cm ⁴

* Το Ix είναι υπολογισμένο σύμφωνα με το EN 14024
* Ix is calculated in compliant with EN 14024



ALUMIL

SMARTIA S77



HINGED INSULATED SYSTEM



The system SMARTIA S77 is ALUMIL's proposal for advanced insulating casements, with modern flat design which meet the high standards of private and public buildings in Western Europe. It is the ideal solution for projects that require high performance and maximum safety.

Furthermore, the system offers minimal design for windows & patio doors with the concealed sash and fittings. The SMARTIA S77 satisfies the demanding levels of thermal insulation, water tightness performances which in combination with sound reduction, make it ideal for the most demanding projects.

- High thermal insulation value $U_f \geq 0,85 \text{ W/m}^2\text{K}$, certified by ift Rosenheim Institute.
- Visible aluminium face width 93 mm and only 67 mm for concealed sash.
- Maximum watertightness with 3 levels of EPDM gaskets and co-extruded EPDM and foam gasket.
- Specially designed low threshold for easy access for people with disabilities.
- For all typologies of hinged windows and patio doors.
- Wide range of sill profiles available.

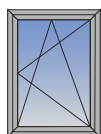




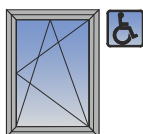
TECHNICAL CHARACTERISTICS

Visible aluminium face width	93 mm (only 67mm for concealed sash)
Frame height	61 mm
Frame width	77 mm
Sash height	73 mm
Sash width	85 mm
Sash weight	Up to 150 kg
Glazing	23 to 72 mm
Insulation	Polyamides 40 mm width, NRG Bar, PE insulation foam

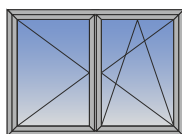
TYOLOGIES



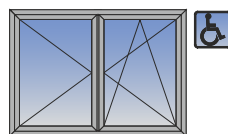
Single tilt & turn casement



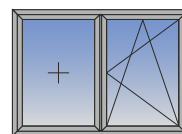
Single tilt & turn casement with P.W.D. frame



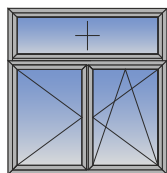
Single tilt & turn with side-hung casement



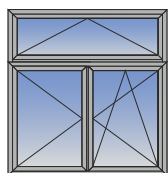
Single tilt & turn with side-hung casement with P.W.D. frame



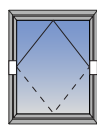
Single tilt & turn with fixed light



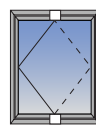
Single tilt & turn with side-hung casement and fanlight



Single tilt & turn with side-hung and bottom hung casement

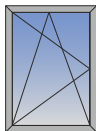


Horizontal pivot casement

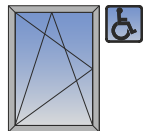


Vertical pivot casement

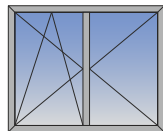
Concealed sash



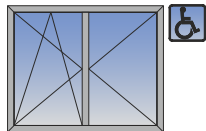
Single tilt & turn casement



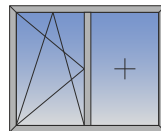
Single tilt & turn casement with P.W.D. frame



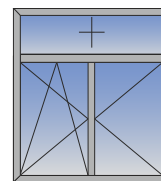
Single tilt & turn with side-hung casement



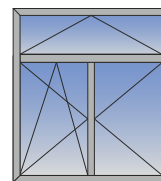
Single tilt & turn with side-hung casement with P.W.D. frame



Single tilt & turn with fixed light



Single tilt & turn with side-hung casement and fanlight



Single tilt & turn with side-hung and bottom hung casement

CERTIFICATES

	Air permeability EN 1026, EN12207	CLASS 4
	Watertightness EN 1027, EN 12208	CLASS E1500
	Resistance to wind load EN 12210, EN 12211	CLASS C5/B5
	Burglar resistance EN 1627-1630	RC3
	Sound reduction EN 14351, EN 717	R _w (C;Ctr) = 42 (-2;-8) dB
	Thermal Insulation EN 10077-2	U _w = 0,85 W/m ² K *

* For window dimensions 1,60 x 2,40 m and U_g = 0,7 W/m²K

ALUMIL SA

KILKIS INDUSTRIAL AREA
GR 61 100, KILKIS
TEL: +30 23410 79300
FAX: +30 23410 71988

www.alumil.com