

Reynaers ConceptSystem 77 Window

Benefits

Balanced ratio of price-quality-feature mix

Broad design & functionality

Available in four safety variants: Bulletproof, Burglarproof, Fireproof, Smokeproof

Compatible with the building's SHEV system to extract smoke and heat quickly

Technical Information

ConceptSystem 77 Window – Performance EU Units

Energy	
Thermal Insulation – U_f	1.8 W/m ² K
Thermal Insulation - U_w	1.3 W/m ² K
Comfort	
Air tightness	Class 4 (600Pa)
Water tightness	Class E900 (900Pa)
Acoustics – $R_w(C;Ctr)$	42(-2,-4) dB
Wind load resistance	Class C5 (1200Pa)
Safety	
Burglar resistance	RC2, RC3, PAS 24
Fire resistance	EI ₁ 30, EI ₂ 30, EI ₂ 60, EW 30
Bullet resistance	FB4, FSG, Kalashnikov

Info.

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Performance US Units

Energy	
Thermal Insulation – U_w	U_w Double: 0.24 Btu/hr.ft ² .°F
	U_w Triple: 0.18 Btu/hr.ft ² .°F
Comfort	
Air tightness	0.04 cfm/ft ³ / Class 4(600Pa)
Water tightness	12 psf / Class E900(900Pa)
Wind load resistance	Class C5(2000Pa)
AAMA rating	Class AW
PG rating	120
Acoustics STC	43 dB
Acoustics OITC	34 dB
Safety	
Burglar resistance	RC2, RC3, PAS 24
Fire resistance	EI ₁ 30, EI ₂ 30, EI ₂ 60, EW 30
Bullet resistance	FB4, FSG, Kalashnikov

Info.

Address: Ampelia, Ioannina 45 500 Greece. - Web: www.simpasus.com // info@simpas.gr - Phone: +30 26510 92177 // +30 697 668 9259

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Properties EU Units

Max. Dimensions & Weight			
Min. Height of element	668 mm	Max. height of vent	2800 mm
Max. Height of element	2868 mm	Min. width of vent	450 mm
Min. Width of element	518 mm	Max. width of vent	1200 mm
Max. Width of element	1268 mm	Max. weight of vent	170 kg
Min. Height of vent	600 mm		
Sightlines			
Min. frame width (inward opening)	51 mm	Min. frame-vent width (outward opening)	93.5 mm
Min. vent width (inward opening)	33 mm	Min. width T-profile	76 mm
Min. frame-vent width (inward opening)	89 mm	Depth frame	68 mm
Min. frame width (outward opening)	17.5 mm	Depth vent	77 mm
Min. vent width (outward opening)	76 mm	Depth frame-vent	77 mm
Glazing			
Min. glass thickness – frame/element	4 mm	Max. glass thickness – frame/element	52 mm
Min. glass thickness - vent	4 mm	Max. glass thickness - vent	63 mm
Rebate height	25 mm		
Glazing method	Dry glazing, Siliconized glazing, Internal glazing, External Glazing, Glazing bead		

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Properties USA Units

Max. Dimensions & Weight			
Min. Height of element	26 ⁵ / ₁₆ inch	Max. height of vent	110 ¹ / ₄ inch
Max. Height of element	112 ¹⁵ / ₁₆ inch	Min. width of vent	17 ¹¹ / ₁₆ inch
Min. Width of element	20 ³ / ₈ inch	Max. width of vent	47 ¹ / ₄ inch
Max. Width of element	49 ¹⁵ / ₁₆ inch	Max. weight of vent	374 lbs
Min. Height of vent	23 ⁵ / ₈ inch		
Sightlines			
Min. frame width (inward opening)	2 inches	Min. frame-vent width (outward opening)	3 ¹¹ / ₁₆ inch
Min. vent width (inward opening)	1 ⁵ / ₁₆ inch	Min. width T-profile	3 inches
Min. frame-vent width (inward opening)	3 ¹ / ₂ inch	Depth frame	2 ¹¹ / ₁₆ inch
Min. frame width (outward opening)	¹¹ / ₁₆ inch	Depth vent	3 ¹ / ₁₆ inch
Min. vent width (outward opening)	3 inches	Depth frame-vent	3 ¹ / ₁₆ inch
Glazing			
Min. glass thickness – frame/element	³ / ₁₆ inch	Max. glass thickness – frame/element	2 ¹ / ₁₆ inch
Min. glass thickness - vent	³ / ₁₆ inch	Max. glass thickness - vent	2 ¹ / ₂ inch
Rebate height	1 inch		
Glazing method	Dry glazing, Siliconized glazing, Internal glazing, External Glazing, Glazing bead		

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