

Reynaers ConceptSystem 77 Door

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

Higher Insulation version available

Technical Information

Reynaers ConceptSystem 77 Door – Performance EU Units

Energy	
Thermal Insulation – U_f	1.8 W/m ² K
Thermal Insulation - U_w	1.4 W/m ² K
Comfort	
Air tightness	Class 4 (600Pa)
Water tightness	Class 7A (300Pa)
Acoustics – $R_w(C;Ctr)$	42(-1;-4) dB
Wind load resistance	Class C2 (800Pa)
Safety	
Burglar resistance	RC2, RC3, PAS 24
Bullet resistance	FB4, FSG, FB6, Kalashnikov
Impact resistance	I5/E5
Fire resistance	EW 30, EI ₁ 30, EI ₂ 30, EI ₂ 60, EW 30

Info.

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Performance US Units

Energy	
Thermal Insulation – U _w -Double	0.30 Btu/hr.ft ² .°F
Thermal Insulation – U _w -Triple	0.31 Btu/hr.ft ² .°F
Comfort	
Air tightness	0.27 cfm/ft ³ / Class 4 (600Pa)
Water tightness	3 psf / Class 7A (300Pa)
Wind load resistance	Class C2 (800Pa)
AAMA rating	Class CW
PG rating	50
Acoustics STC	40 dB
Acoustics OITC	36 dB
Safety	
Burglar resistance	RC2, RC3, PAS 24
Bullet resistance	FB4, FSG, FB6, Kalashnikov
Impact resistance	I5/E5
Fire resistance	EW 30, EI ₁ 30, EI ₂ 30, EI ₂ 60, EW 30

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	535 mm	Max. width of vent	1400 mm
Max. height of vent	3000 mm	Max. weight of vent	250 kg
Min. width of vent	500 mm	Max. weight of fixed vent	280 kg
Sightlines			
Min. frame width (inward opening)	68 mm	Min. frame-vent width (outward opening)	150 mm
Min. vent width (inward opening)	76 mm	Min. width T-profile	76 mm
Min. frame-vent width (inward opening)	150 mm	Depth frame	68 mm
Min. frame width (outward opening)	42 mm	Depth vent	68 mm
Min. vent width (outward opening)	102 mm	Depth frame-vent	68 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	52 mm
Rebate height	25 mm		
Glazing method	Dry glazing, Siliconized glazing, Internal glazing, Glazing bead		

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Properties USA Units

Max. Dimensions & Weight			
Min. height of element	21 1/16 inch	Max. width of vent	55 1/8 inch
Max. height of vent	118 1/8 inch	Max. weight of vent	551 lbs
Min. width of vent	19 11/16 inch	Max. weight of fixed vent	617 lbs
Sightlines			
Min. frame width (inward opening)	2 11/16 inch	Min. frame-vent width (outward opening)	5 7/8 inch
Min. vent width (inward opening)	3 inches	Min. width T-profile	3 inches
Min. frame-vent width (inward opening)	5 7/8 inch	Depth frame	2 11/16 inch
Min. frame width (outward opening)	1 5/8 inch	Depth vent	2 11/16 inch
Min. vent width (outward opening)	4 inches	Depth frame-vent	2 11/16 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 1/16 inch
Rebate height	1 inch		
Glazing method	Dry glazing, Siliconized glazing, Internal glazing, Glazing bead		

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