

Reynaers ConceptWall 50 Curtain Wall

Benefits

Excellent thermal performance

Suitable for high areas, can withstand heavier wind load

Wide range of design options

Easy to install

Technical Information

Reynaers ConceptWall 50 Curtain Wall – Performance EU Units

Energy	
Thermal Insulation – U _w	0.56 W/m ² K
Comfort	
Air tightness	AE 1950 (1950Pa)
Water tightness	RE 1950 (1950Pa)
Acoustics – R _w (C;Ctr)	47(-2;-6) dB
Wind load resistance	E 2400 (2400Pa)
Safety	
Burglar resistance	RC2, RC3
Fire resistance	E 60, EI 30, EI 60, EW 30
Impact resistance	I5/E5

Info.

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Performance USA Units

Energy	
Thermal Insulation – U _w - Double	0.23 Btu/hr.ft ² .°F
Thermal Insulation – U _w - Double	0.14 Btu/hr.ft ² .°F
Comfort	
Air tightness	0.02 cfm/ft ³ / AE 1950 (1950Pa)
Water tightness	15 psf / RE 1950 (1950Pa)
Wind load resistance	E 2400 (2400Pa)
PG rating	90
Acoustics STC	41 dB
Acoustics OITC	35 dB
Safety	
Burglar resistance	RC2, PAS 24
Fire resistance	E 60, EI 30, EI 60, EW 30
Impact resistance	I5/E5

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			
Max. weight of glass	700 kg	Max. inertia transom - I_x	552 cm ⁴
Min. inertia mullion - I_x	14 cm ⁴	Min. inertia transom - I_y (glass load)	8 cm ⁴
Max inertia mullion - I_x	2690 cm ⁴	Max. inertia transom - I_y (glass load)	57 cm ⁴
Min. inertia transom - I_x	4 cm ⁴		
Sightlines			
Min. width transom profile	50 mm	Min. depth mullion	42 mm
Min. visible width (interior view)	50 mm	Max. depth mullion	300 mm
Min. visible width (exterior view)	50 mm	Min. depth transom	5 mm
Glazing			
Min. glass thickness – frame/element	6 mm	Max. glass thickness – frame/element	60 mm
Glazing method	Dry glazing, External glazing, Pressure plate glazing, Structural Glued Glazing, Structural clamped glazing		

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Properties USA Units

Max. Dimensions & Weight			
Max. weight of glass	1543 lbs	Max. inertia transom - I_x	552 cm ⁴
Min. inertia mullion - I_x	14 cm ⁴	Min. inertia transom - I_y (glass load)	8 cm ⁴
Max inertia mullion - I_x	2690 cm ⁴	Max. inertia transom - I_y (glass load)	57 cm ⁴
Min. inertia transom - I_x	4 cm ⁴		
Sightlines			
Min. width transom profile	1 15/16 inch	Min. depth mullion	1 5/8 inch
Min. visible width (interior view)	1 15/16 inch	Max. depth mullion	11 13/16 inch
Min. visible width (exterior view)	1 15/16 inch	Min. depth transom	3/16 inch
Glazing			
Min. glass thickness – frame/element	1/4 inch	Max. glass thickness – frame/element	2 3/8 inch
Glazing method	Dry glazing, External glazing, Pressure plate glazing, Structural Glued Glazing, Structural clamped glazing		

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