

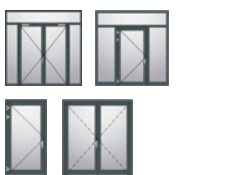

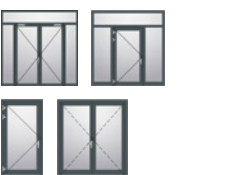


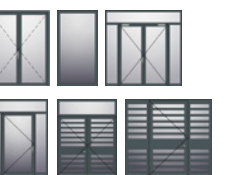











Requirements	Series S2es Aluminium Windows	Series S2es Aluminium Doors	Series S6es Aluminium Windows	Series S6es Aluminium Doors	Series S1es-50 Series S1es-60 Aluminium Facade	Series S4 Steel Doors	SECUFIRE® Steel Doors/ fixed windows
 Design							
 Door leaf thickness, profile depth, infill thickness	Profile depth: frame 135 mm, wing 145 mm Infill thickness: wing up to 102 mm, fixed window up to 97 mm	Profile depth frame: 135 mm Profile depth leaf: 135 mm (flush-faced door construction) Infill thickness: up to 97 mm	Profile depth: frame 115 mm, wing: 125 mm Infill thickness: wing up to 90 mm, fixed window 80 mm	Profile depth frame: 115 mm Profile depth leaf: 115 mm (flush-faced door construction) Infill thickness: up to 80 mm	Door leaf thickness Profile depth mullion and transom S1-S6-50 30-195 mm S1-S6-60 55-250 mm ¹	Depending on the combined kind of protection and security level: Door leaf thickness: 72mm up to 165 mm Infill thickness: up to 120 mm	Depending on the combined kind of protection and security level: Profile depth: 65 mm up to 83 mm Infill thickness: up to 70 mm
 Forced entry resistance	Up to RC 5, Fixed window up to RC 6	Up to RC 5	Up to RC 4 also as outward opening window	Up to RC 4 also available as double door with full-panic function up to RC 4	Up to RC 4 series S1es-60 up to RC 5	Opaque door up to RC 6 (S4HS) Glazed up to RC 5 With panic locks up to RC 4	Up to RC 4
 Bullet resistance	Up to FB7-NS	Up to FB7-NS	Up to FB4-NS	Up to FB4-NS	Up to FB4-NS, S1-S6-50 Up to FB7-NS, S1-S6-60	Up to FB7-NS	Up to FB4-NS
 Blast resistance	Tested with up to 500 kg explosives EXR3 Various test certificates Special tests with long pressure duration GSA 2/ISO B classified	Tested with up to 500 kg explosives EXR2 Various test certificates GSA 2/ISO B classified	Tested with up to 500 kg explosives EXR3 Various test certificates Special tests with long pressure duration, GSA 2/ISO B classified	Tested with up to 500 kg explosives EXR2 Various test certificates GSA 2/ISO B classified	Tested with up to 500 kg explosives Various test certificates, Special tests with long pressure duration GSA 2/ISO B classified	Tested with up to 500 kg explosives EXR5 reflected pressure 2.730 kPa Various test certificates Special tests with long pressure duration of 4.500 mm/reflected pressure 93 kPa GSA 2/ISO B	Up to 500 kg explosives, various test certificates GSA 2/ISO B classified
 Fire and smoke resistance	–	–	–	–	–	Up to T90-1, T90-2 (EI90)* S ₂₀₀ BS 476 Part 22, 120 min *Based on positive test reports individual approvals possible	Up to T30 (EI30)* S ₂₀₀
 Thermal insulation	Depending on the type of the window: U _w = 1,4 - 1,7 W/m ² K (double glazing) U _w = 0,8 - 1,5 W/m ² K (triple glazing)	Depending on the type of the door: U _w = 1,7 - 1,9 W/m ² K (double glazing) U _w = 1,5 - 1,8 W/m ² K (triple glazing)	Depending on the type of the window: U _w = 1,4 - 1,7 W/m ² K (double glazing) U _w = 0,8 - 1,5 W/m ² K (triple glazing)	Depending on the type of the door: U _w = 1,7 - 1,9 W/m ² K (double glazing) U _w = 1,4 - 1,8 W/m ² K (triple glazing)	Depending on the type of the facade: U _w = 1,2 - 2,0 W/m ² K (double glazing) U _{ow} = 0,9 - 1,6 W/m ² K (triple glazing)	Depending on the type of the door: U _w = 2,2 W/m ² K	Depending on the type of the door: U _w = 1,6 - 2,3 W/m ² K (double glazing) U _w = 1,4 - 1,9 W/m ² K (triple glazing)
 Sound insulation	Depending on the type of the window: Up to R _w 45 dB	Depending on the type of the door: Up to R _w 47 dB	Depending on the type of the window: Up to R _w 45 dB	Depending on the type of the door: Up to R _w 47 dB	Depending on the type of the facade: Up to R _w 48 dB	Depending on the type of the door: Up to R _w 50 dB	Depending on the type of the door : Up to R _w 46 dB
 Hardware/remarks	Turn hardware tested up to 350 kg Tilt-turn hardware tested up to 200 kg	Door hinges tested up to 400 kg, for more weight up to 600 kg floor pivot bearings are used	Turn hardware tested up to 350 kg Tilt-turn hardware tested up to 200 kg	Door hinges tested up to 400 kg, for more weight up to 600 kg floor pivot bearings are used	Every SÄLZER window / door can be integrated into the facade	Depending on the protection level and used hardware up to 1.000 kg	Door hinges tested up to 400 kg
 Further product variants	–	–	Series SECURON® tested in tilted window position up to RC 3, Series METAS® forced entry and break out resistance up to RC 3 (fixed window up to RC 4)	–	¹ Depending on the static requirements larger construction depths possible.	Cell door series S4Z, break out and forced entry resistant up to RC 4, Strong room door series S4W forced entry resistant according to DIN EN 1141-1 resistant level 0+1	Depending on the combined kind of protection following variants: SECUFIRE® F, SECUFIRE® S, SECUFIRE® U, SECUFIRE® P