



S2es-w Aluminium window

Security Architecture Without Compromise

The aluminium window S2es-w represents maximum protection. It resists burglary attempts using high-performance power tools such as jigsaws or angle grinders, meeting the requirements up to resistance class RC6. In addition, it offers ballistic protection up to class FB7-NS and has been successfully tested against large explosive detonations as well as the effects of industrial accidents, such as deflagrations in petrochemical environments. Furthermore, the window provides protection against the impact of incidents involving long-duration pressure waves.

The highly thermally insulated block window system has been tested as a complete unit including glazing and wall connection making it ideal for sophisticated architectural and security applications.



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Highlights

- Maximum protection: Burglary resistance up to RC6, ballistic resistance up to FB7-NS, and explosion protection with EXR3 certification – tested according to international security standards.
- Architectural precision: Slim visible widths, concealed glazing beads, tested bullet-resistant wall connections, and flexible installation options – including mullion-transom constructions.
- Engineering excellence: Hardware for sash weights up to 350 kg, optional SAELOX® security locking system, natural glazing rebate ventilation, and efficient water drainage.

Security features



Forced entry resistance

RC1 RC2 RC3 RC4 RC5 RC6
DIN EN 1627-1630



Bullet resistance

FB1 FB2 FB3 FB4 FB5 FB6 FB7
DIN EN 1522 + 1523



Explosion and shock wave

EXR1 EXR2 EXR3 EXR4 EXR5
DIN EN 13123-2 + 13124-2



Fire and smoke protection

EI15 EI20 EI30 EI45 EI60 EI90 EI120 EI180 EI240
Fire protection DIN EN 13501-2
S_a S₂₀₀
Smoke protection DIN EN 1643-1

Properties



Air permeability class 4



Wind load resistance class C5



Sound insulation up to R_w 45 dB



Mechanical durability class 3



Water tightness class E750



Sash dimension up to 1.600 × 2.940 mm (W x H)



Impact resistance class 5

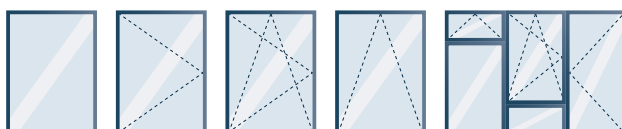


Sash weight up to 200 kg



U_w-value 0,8–1,5 W/m²K

Design examples



More Sälzer
security windows



Architectural sections
available upon request