



S6es-w Aluminium window

Security architecture at its most elegant

The aluminium window S6es-w combines the highest security standards with architectural design freedom. It provides reliable protection against burglary up to resistance class RC4, withstands ballistic impact up to FB4-NS, and resists explosions such as 500 kg of explosives at a distance of 24 meters. Additional scenarios within explosion resistance are verified through certifications in class EXR3.

Despite its high-security performance, the S6es-w maintains a slim and elegant appearance. Tested configurations such as tilt-turn, turn-tilt, bottom-hung and top-hung windows, window doors, fixed fields, and combinations with side panels or overhead lights enable tailored solutions for demanding construction projects.



S6es-w Aluminium window

Highlights

- Certified all-round protection: Burglary resistance up to RC4, ballistic resistance up to FB4-NS, explosion resistance, plus EXR3 certification for industrial pressure-wave scenarios.
- Architectural versatility: Numerous tested configurations – from windows and window doors to overhead lights and side panels.
- Engineering excellence: Concealed glazing bead fixings, tested wall connection, hardware supporting sash weights up to 350 kg, optional SAELOX® high-security locking system.

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 2



Water tightness class 9A



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