

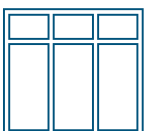


S1es-60 SemiSG Aluminium facade

Maximum security in semi-structural glazing

The S1es-60 SemiSG mullion-and-transom façade transfers the high security performance of the S1es-60 into a semi-structural glazing appearance. It combines a reduced, contemporary façade design with certified intrusion resistance and project-specific verified blast mitigation.

The system is ideally suited for security-critical buildings where both protection and architectural presence are required — for example in representative, publicly accessible or infrastructure-sensitive environments.



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Highlights

- Certified security: Resistance to forced entry and break-out up to RC4.
- Blast mitigation to project requirements: Verification for high explosive loads at large stand-off distances, classified in accordance with international standards.
- Design precision: Semi-SG façade appearance with invisibly integrated security functions. Also compatible with the Schüco FWS 60 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
EXV45 EXV33 EXV25 EXV19 **EXV15** EXV12 EXV10
ISO 16933:2007



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 AE



Wind load resistance class 2,0 kN/m²



Sound insulation up to R_w 48 dB



Mechanical durability class N/A



Water tightness class RE 1200



Sash dimension up to 3.000 × 3.550 mm (W x H)



Impact resistance class I5 / E5



Sash weight up to 750 kg



U_F-value 0,9 – 1,6 W/m²K

Design examples



More Sälzer
facades



Architectural sections
available upon request