

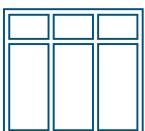


S1es-60 Aluminium facade

Maximum façade security for complex threat scenarios

The S1es-60 mullion-and-transom façade is designed for projects that combine the highest security requirements with a high-quality architectural envelope. It enables the integration of intrusion resistance, ballistic protection and blast mitigation without compromising the clarity and coherence of the building façade.

Even at the highest protection levels, the external appearance remains uniform. Different security zones — from highly secured ground floors to less exposed areas — can be realised within a single system. Certified window and door elements in the respective security classes can also be seamlessly integrated.



S1es-60 Aluminium facade

Highlights

- Maximum protection performance: Resistance to forced entry and break-out from both sides up to RC5, ballistic protection up to FB7-NS and project-specific tested blast mitigation, including verification for high explosive loads.
- Certified high security: Classifications in accordance with international standards as well as project-specific tests with long pressure durations.
- System flexibility: Integration of certified window and door elements in different security levels while maintaining a consistent architectural appearance. 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



Sound insulation up to R_w 48 dB



Water tightness class RE 1200



Impact resistance class I5 / E5



U_F-value 0,9 – 1,6 W/m²K



Wind load resistance class 2,0 kN/m²



Mechanical durability class N/A



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



Sash weight up to 750 kg

Design examples



More Sälzer
facades



Architectural sections
available upon request