

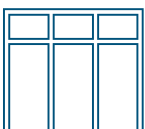


S1es-50 Aluminium facade

Slim facade with a high level of protection

The S1es-50 mullion-and-transom façade combines certified security with a clear, architecturally consistent design. All security-relevant components are fully and discreetly integrated into the construction, ensuring that the visual appearance remains indistinguishable from conventional façade systems.

The façade provides tested resistance to forced entry and break-out as well as ballistic protection, making it suitable for buildings with elevated security requirements where transparency, daylight and a harmonious overall appearance are essential. Different security levels within the same building can be implemented flexibly while maintaining a uniform façade design throughout.



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Highlights

- Certified security: Tested resistance to forced entry and break-out on both sides up to RC4, combined with ballistic protection up to FB4-NS.
- Architectural clarity: Invisibly integrated security components create a calm, homogeneous façade appearance across all security zones. Also compatible with Schüco FWS 50.
- Thermal performance: Very good thermal insulation thanks to large infill thicknesses and the option of highly insulating multi-pane glazing.

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