



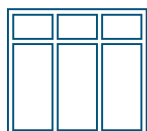
## S1es-50 SemiSG Aluminium facade

### Protection with maximum transparency

The S1es-50 SemiSG mullion-and-transom façade combines certified security with large glass surfaces.

The semi-structural glazing design deliberately emphasises horizontal or vertical lines, enabling a differentiated façade appearance while maintaining a high level of protection.

The system is particularly suitable for projects requiring security up to RC4 while placing strong emphasis on a modern, transparent façade design. Safety-related components remain discreetly hidden within the system.



# S1es-50 SemiSG Aluminium facade

## Highlights

- Certified intrusion resistance: Resistance to forced entry and break-out up to RC4.
- SemiSG design: minimally visible profiles for a high-quality glass look.
- Design flexibility: Individual definition of security zones within a consistent façade system.  
Also compatible with Schüco FWS 50.

## 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<sub>a</sub> S<sub>200</sub>  
Smoke protection DIN EN 1643-1

## Properties



Air permeability class AE



Wind load resistance class 2,0 kN/m²



Sound insulation up to R<sub>w</sub> 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<sub>F</sub>-value 0,9 – 1,6 W/m²K

## Design examples



More Sälzer  
facades



Architectural sections  
available upon request