

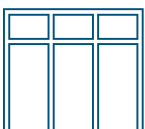


S1es-50 Aluminium facade

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.



S1es-50 Aluminium facade

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



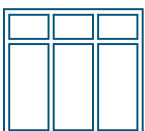
S1es-50 SemiSG Aluminium facade

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_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



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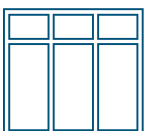


S1es-60 Aluminium facade

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



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



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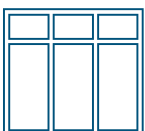


S1es-60 SemiSG Aluminium facade

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.



S1es-60 SemiSG Aluminium facade

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

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Explosion and shock wave

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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)



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