



METAS[®] Aluminium window

Security without Grilles

The METAS[®] aluminium window has been developed specifically for the requirements of police facilities, courts, correctional institutions, forensic clinics and military sites. It provides bilateral protection against breakout attempts from the inside and rescue attempts from the outside, ensuring the required level of security even without external grilles.

In forensic clinics, the grille-free design supports improved therapy acceptance. In court holding cells, police custody or other secured environments, the system enables safe and controlled operation without compromising security standards.



METAS[®] Aluminium window

Highlights

- **Bilateral security:** Protection against breakout and rescue attempts – fixed glazing up to RC4, openable elements certified up to RC3 from the inside and RC4 from the outside, glazing according to DIN EN 356 up to P6B/P7B.
- **Suicide- and vandalism-inhibiting:** Flush and, on request, rounded sash profiles and glazing beads prevent manipulation and reduce the risk of injuries and self-harm.
- **Functional performance:** Openable sash options enable user-controlled ventilation while maintaining the required high level of security at all times.

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



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 4



Wind load resistance class C5



Sound insulation up to R_w 45 dB



Mechanical durability class 2



Water tightness class 9A



Sash dimension up to 1.530 × 3.010 mm (W x H)



Impact resistance class 5

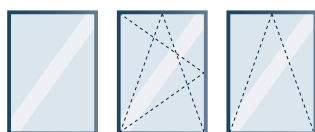


Sash weight up to 180 kg



U_w-value 0,8–1,5 W/m²K

Design examples



More Sälzer
security windows



Architectural sections
available upon request