



SÄLZER GmbH
Dietrich-Bonhoeffer-Str. 1-3
35037 Marburg
Germany

Headquarter: +49 (0) 6421 938 100
Fax: +49 (0) 6421 938 190
E-Mail: info@saelzer-security.com

High security solutions.
Constructed to protect.

saelzer-security.com



SYSTEM SÄLZER®

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Comprehensive security solutions for maximum protection

At Sälzer, we approach building security as a thoroughly planned and precisely executed process – designed to provide reliable protection against a wide range of threats. For decades, we have been delivering doors, windows, facades, access barriers, and fully equipped guard houses to more than 90 countries world-wide. Our scope of service includes not only development and production, but also professional installation and long-term maintenance.

Every project we realize is individually tailored to the customer's security requirements. These solutions are based on modular, specially developed systems that can be flexibly combined and adapted to specific threat scenarios, functional needs, and comfort expectations. This ensures that our clients benefit from both proven technology and solutions customized to their situation.

All Sälzer systems are the result of extensive research and development and are subjected to rigorous internal and official testing in line with European, American, and international standards.

With decades of experience from demanding security projects across the globe, Sälzer stands for solutions that combine system reliability with customer-specific adaptation – providing sustainable, tested and reliable protection.



“Security happens, when thoughtful design, integral planning and careful execution interlock.”



Doreen Krob
Managing Director
SÄLZER GmbH, Marburg

Content

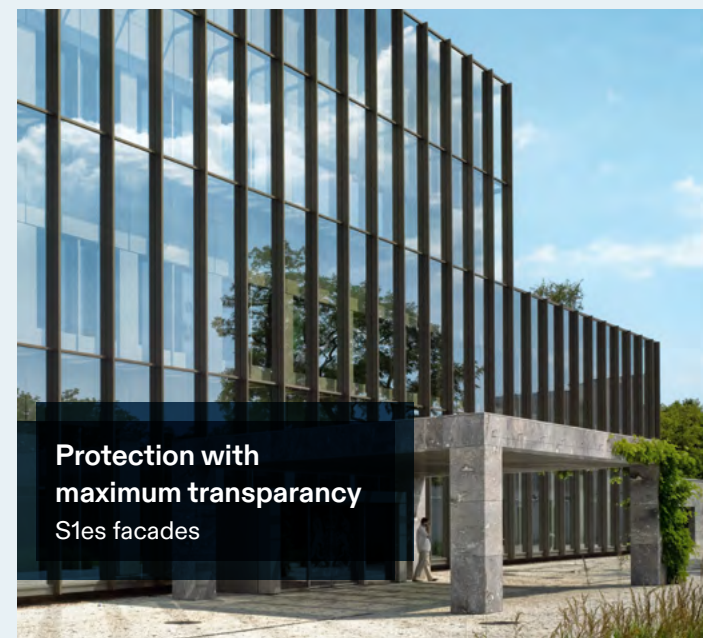
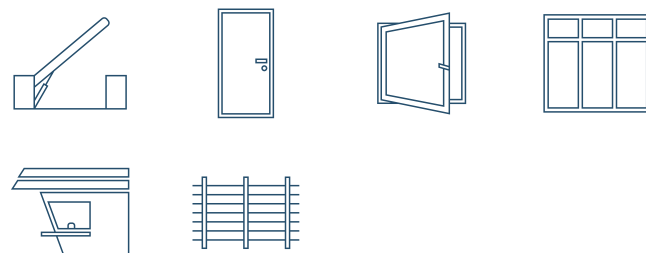
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SYSTEM SÄLZER®

High security with refined design

Combining maximum security with slender frames and expansive glazing is a demanding challenge. Sälzer meets this through specially developed profile systems. These proprietary designs are precisely aligned with defined security classes, achieved by configuring materials, structures, static design, component connections, and fittings to match project-specific requirements. With more than 250 patents and over 950 test certificates and expert reports, Sälzer systems stand for proven and sustainable reliability in building security.

The Sälzer product portfolio is structured into coordinated system lines with carefully balanced security profiles and design priorities. Together, they form the SYSTEM SÄLZER® – a modular platform that enables customers and planners to configure products with combined protective features, including resistance to forced entry, breakout, ballistic and blast threats, and, in certain cases, fire and smoke.



Protection with maximum transparency
S1es facades

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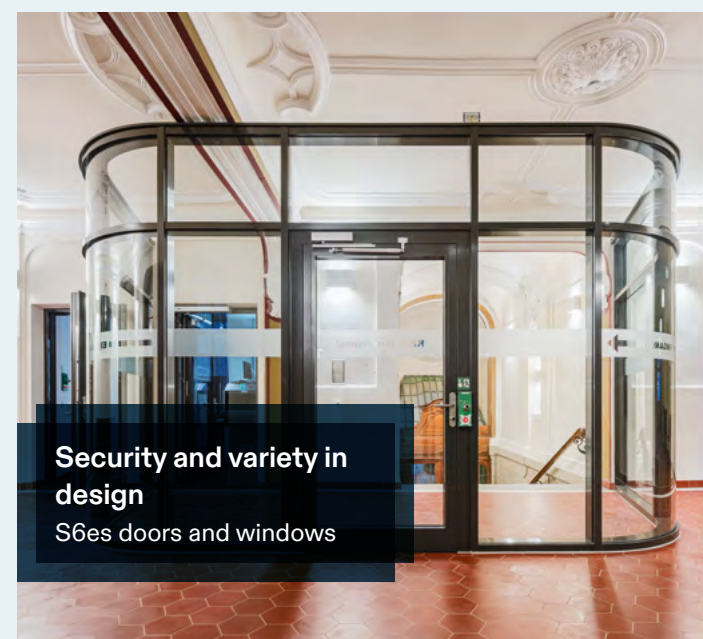
Top-level security and long-term stability
S2es doors and windows

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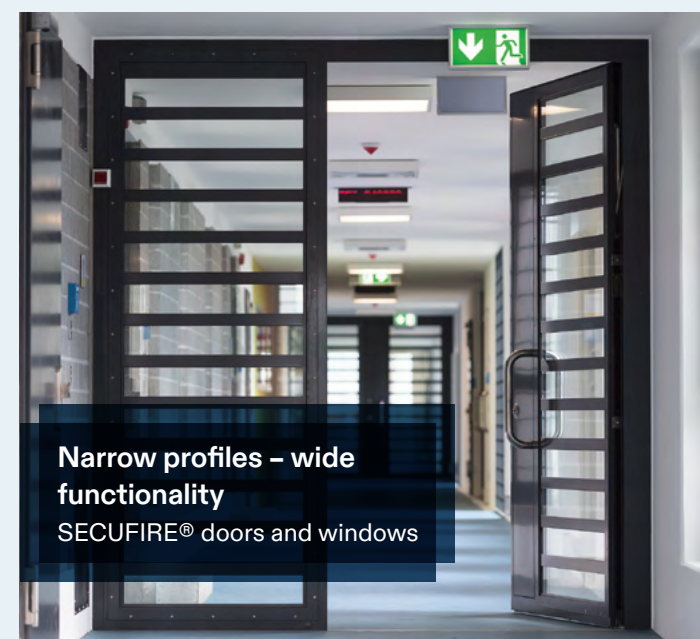
High-end security for special applications
S4 doors

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Security and variety in design
S6es doors and windows

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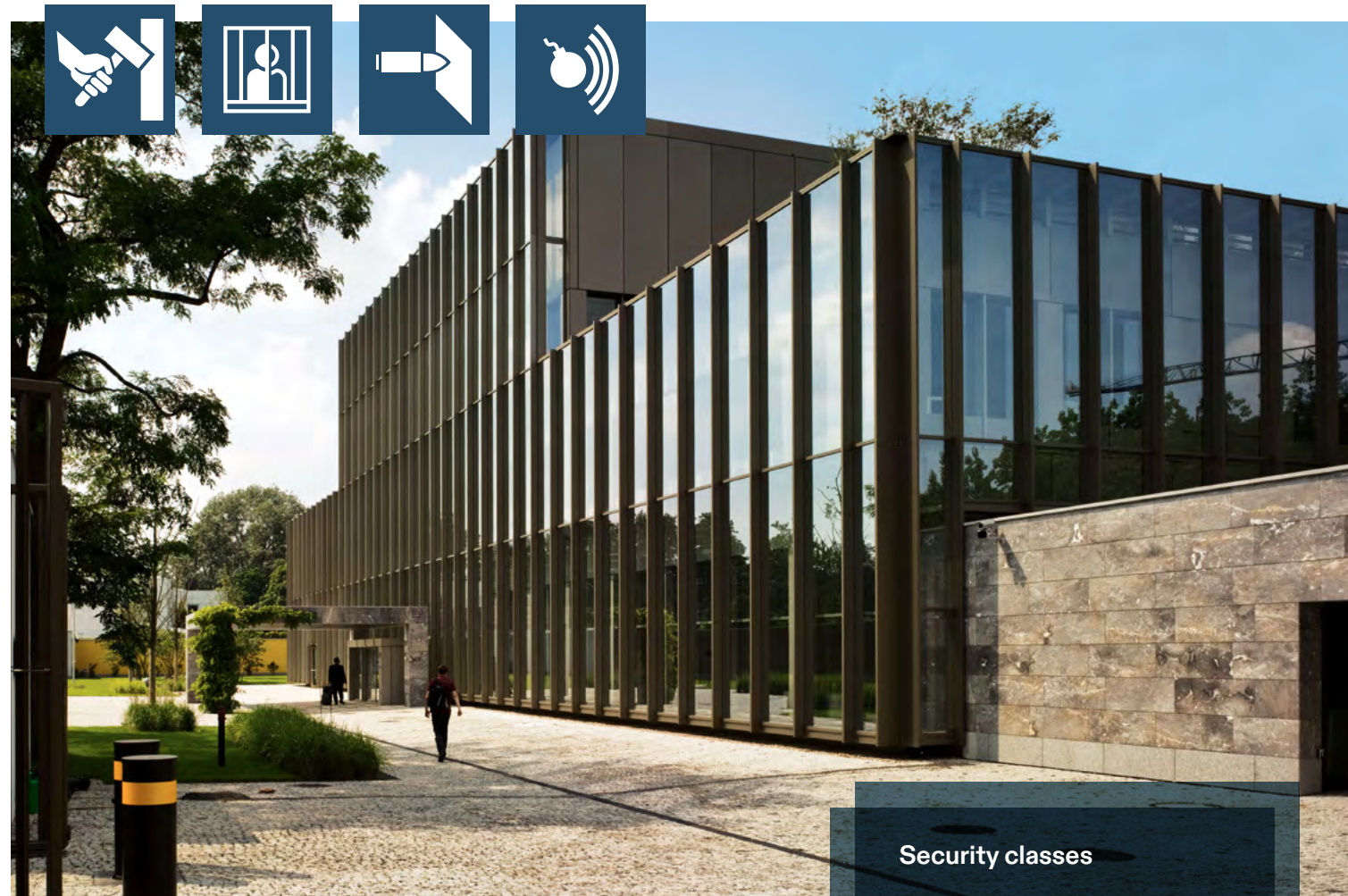
Narrow profiles – wide functionality
SECUFIRE® doors and windows

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Visible protection
OXIR® grills and louvres

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Security classes

S1es-50

forced entry and break out resistance up to RC4, bullet resistance up to FB4-NS

S1es-60

forced entry and break out resistance up to RC5, bullet resistance up to FB7-NS. Blast tested with explosive charges up to 500 kg, project specific verifications with long pressure duration for the petrochemical industry, project-specific verifications according to 13123-1/13124-1 up to EPR4 are available

S1es-50 Semi-SG

forced entry and break out resistance up to RC4

S1es-60 Semi-SG

forced entry and break out resistance up to RC4. Blast tested with explosive charges up to 500 kg

Protection with maximum transparency

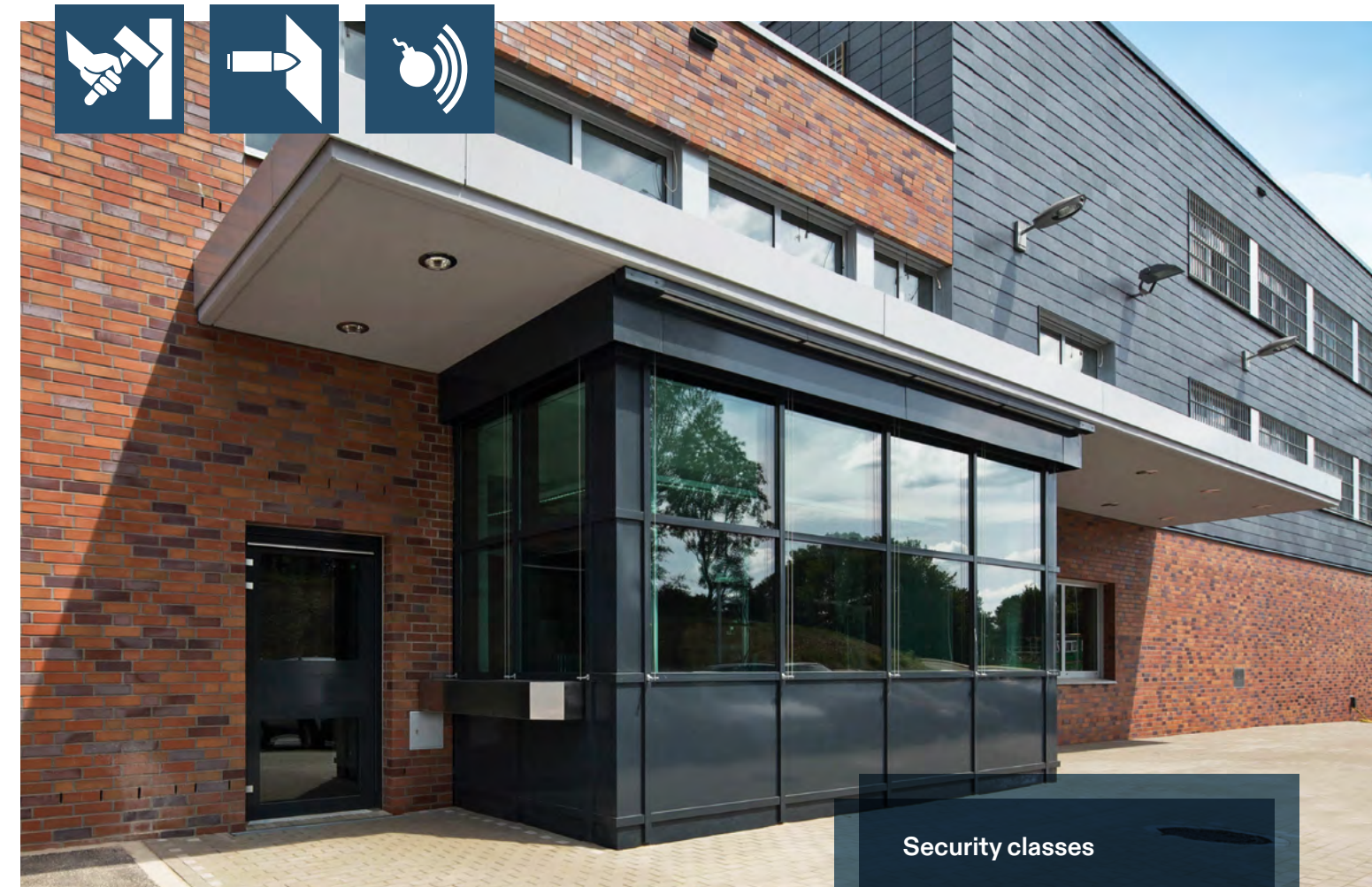
S1es facades

The S1es series aluminum facade offers combinable protection against forced entry, bullet and blast up to the highest resistance classes. The high-security components are integrated invisible inside the profiles. The S1es series can be seamlessly combined with the Schüco FWS facade system. This clever and consistent facade system from Sälzer and Schüco opens up a whole new dimension in reliably excellent facade design for architects, designers and builders:

- with maximum creative freedom
- with a uniform appearance even different levels of security
- with a wide range of insert units
- face widths of the profiles: 50 mm and 60 mm

Design variants

- Series S1es-50
- Series S1es-60
- Series S1es-50 Semi-SG
- Series S1es-60 Semi-SG



Security classes

- forced entry resistance up to RC6

- bullet resistance up to FB7-NS

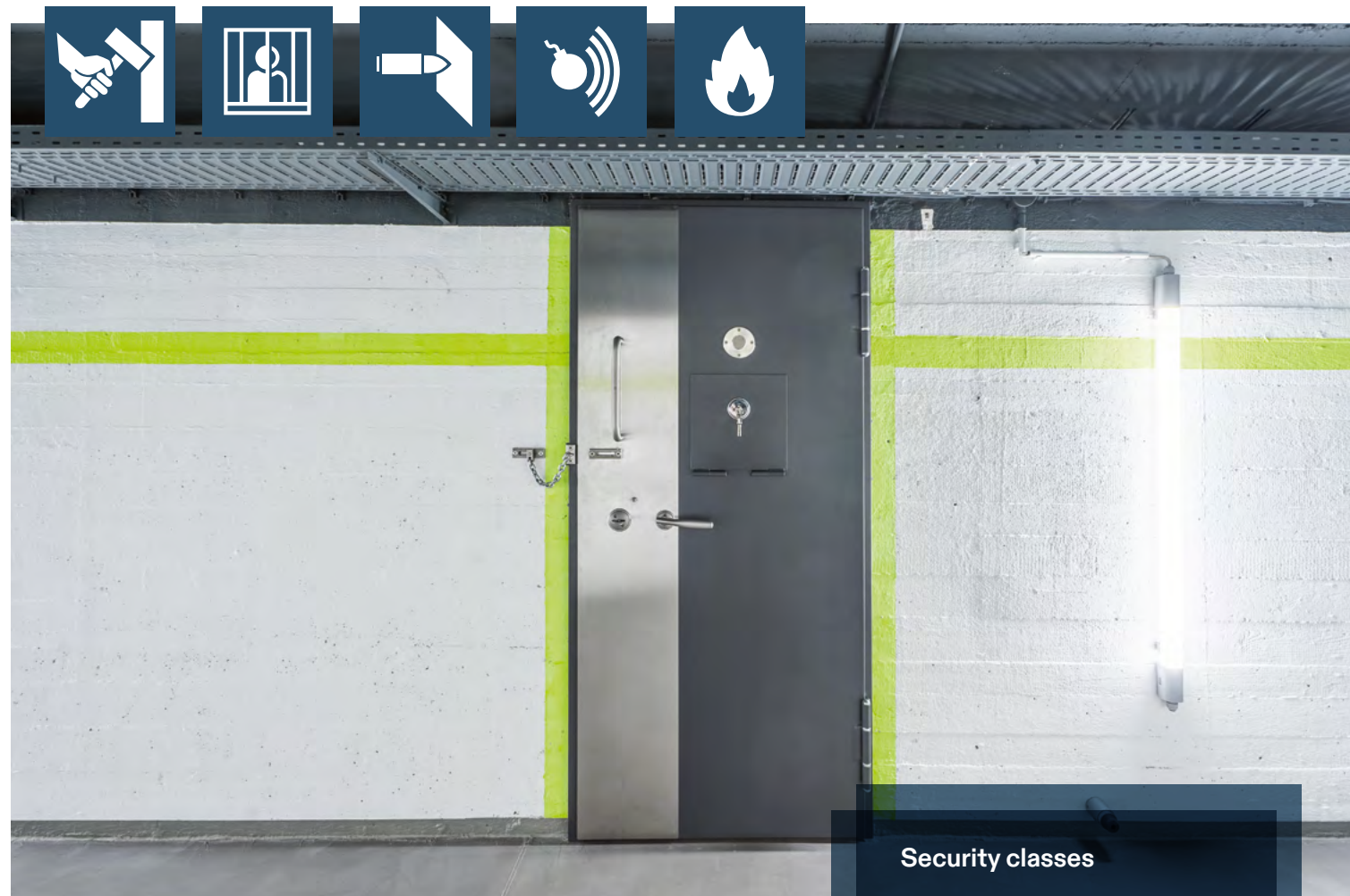
- blast resistance up to EXR3, additionally tested with 100 kg, 250 kg, 500 kg explosives, shock tube tests with a positive peak pressures up to 200 kPa, and proofs with long term pressure resistance up to 2.000 ms, GSA2

Top-level security and long-term stability

S2es doors and windows

Uncompromisingly high security levels combined with the frame material aluminium define the development targets of the series S2es. We achieved this goal by combining profiles of narrow face widths and higher depths with special inner reinforcements. They are strong and resistant enough to carry the high loads of expansive triple security insulation glass units with highest thermal insulation levels. Custom developed door fittings as well as tested component connections are designed to smoothly move and carry heavy element and door loads on a long-term low-maintenance basis.

Despite their high security class ratings, S2es security doors, windows and partitions feature an attractive design which may be individualized in many tested and approved variants – all with elegant profile views and glazing beads without additional screw fixings. The windows may optionally be equipped with our patented multipoint locking mechanism SAELOX®.



High-end security for special applications

S4 doors

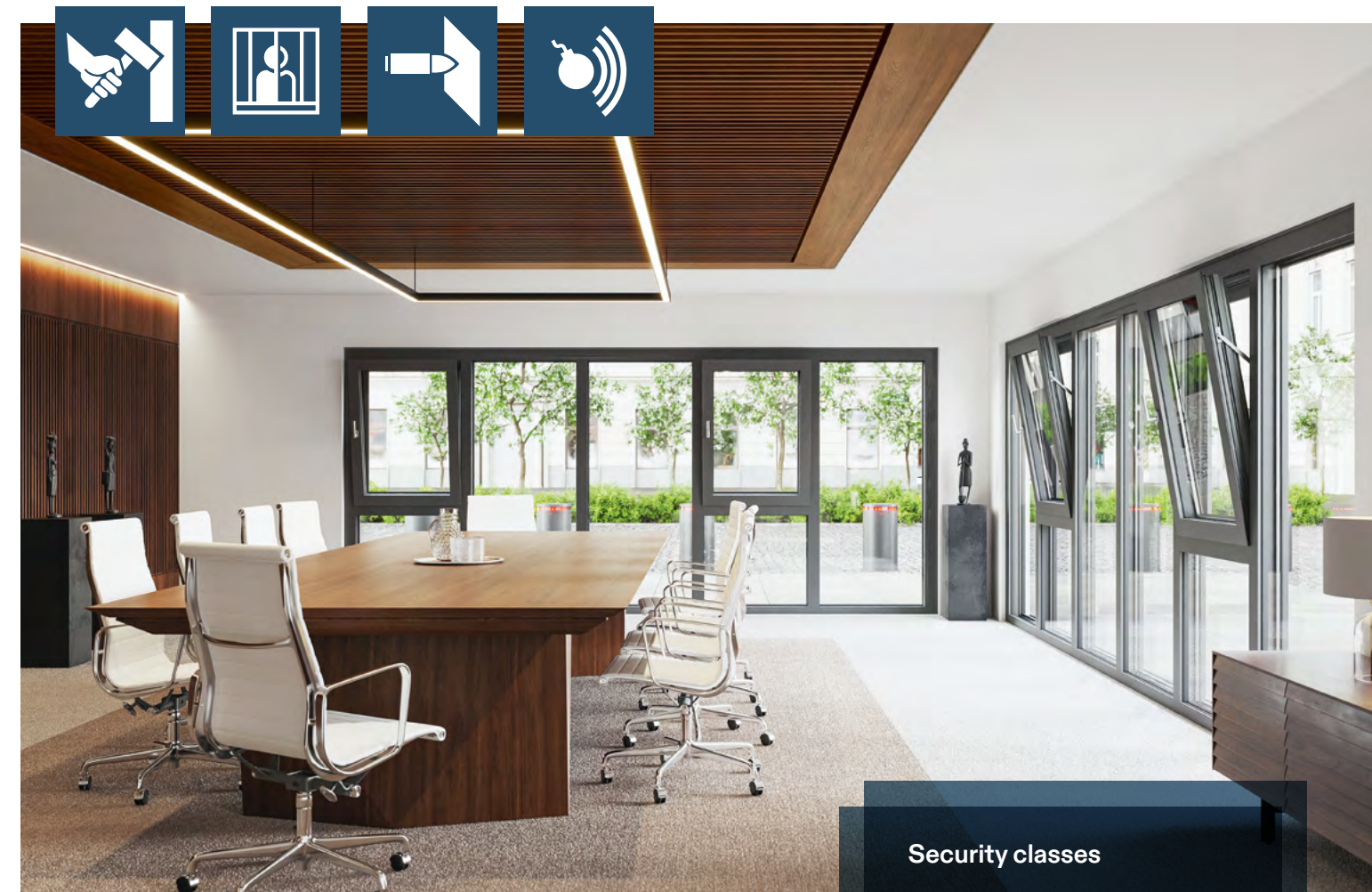
Forced entry resistance and break-out protection, bullet and blast resistance as well as fire and smoke protection on the highest levels – the S4 series offers freely combinable solutions for multi-functional security demands. Sturdy profiles of high depth made out of high strength steel sheets are combined with the most robust doors, frames and hinges for extreme weights and heavy multi-functional glazing units. Smooth operation, long-term low-maintenance use is guaranteed by extra strong fittings and hinges.

Security classes

- forced entry resistance up to RC6
- break out security up to RC4, elements tested on both sides
- bullet resistance up to FB7-NS
- fire and smoke protection ratings up to T90/EI90, S200, and tests according to BS 476 Part 22, 120 min
- blast resistance up to EXR5-NS, additionally tested with 100 kg, 250 kg, 500 kg explosives, and proofs with long term pressure resistance up to 4.500ms, GSA2

Model ranges

- S4 security doors and gates
- S4Z for doors in prisons and detention rooms
- S4W for armoured strongroom doors
- S4H for high-security steel doors



Security and variety in design

S6es doors and windows

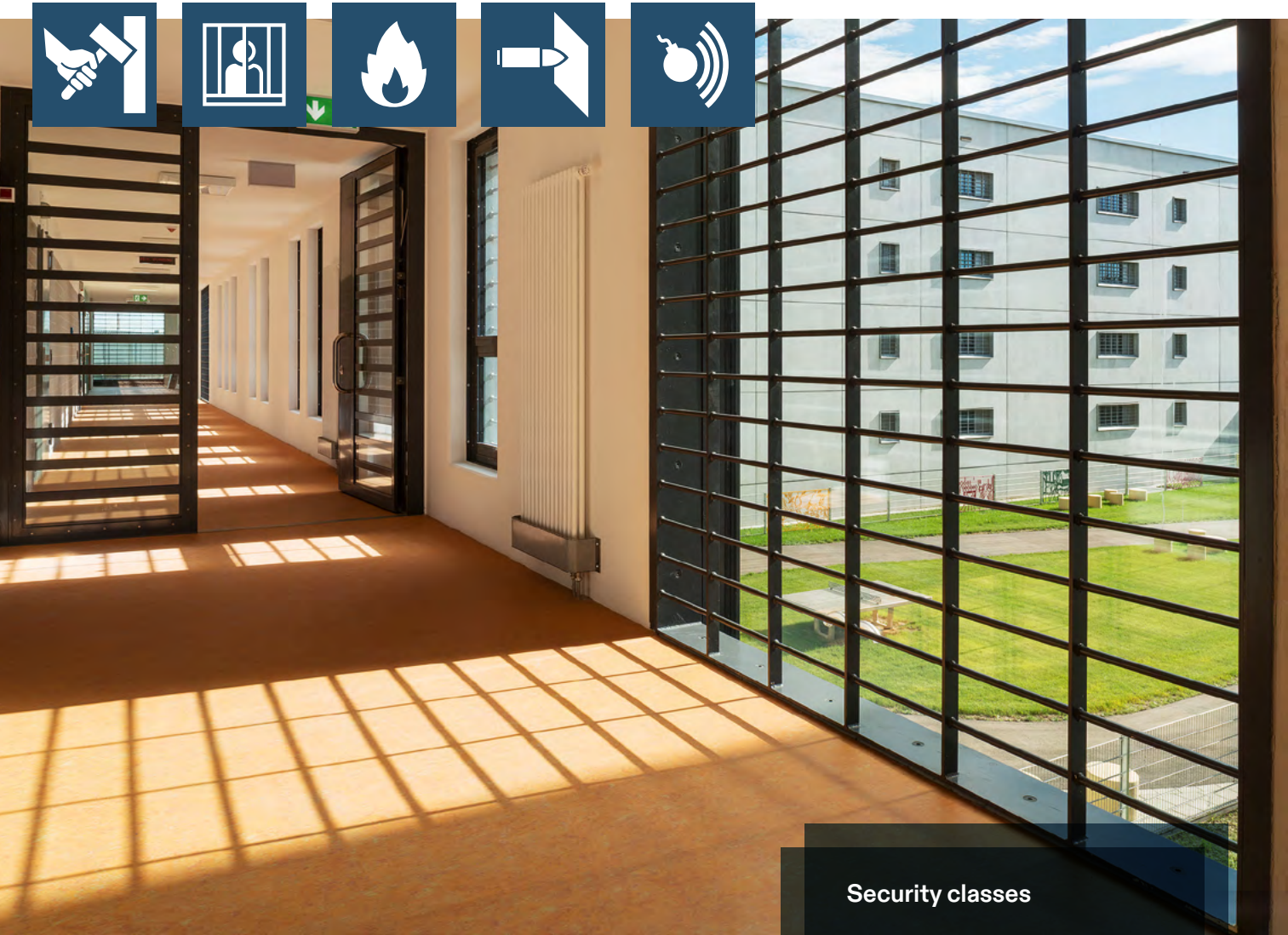
Security, constructive elegance and variety in design characterize the aluminium profiles of S6es series. It features, for instance, numerous tested and approved security window variants which may be realized as outward opening top-hung and side-hung window and also as french casement window.

Two special model ranges of the S6es series feature additional functions besides protection in conventional security classes: the windows SECURON® offer blast resistance and forced entry resistance up to RC3 in the tilted position, whereas METAS® windows range have been designed especially for break out security and suicide prevention in prison and detention rooms.

Within the S6es series, doors, windows and partitions may easily be combined in one uniform design featuring elegant lines and glazing beads without additional screw fixings. Another optional feature is SAELOX® – a patented multipoint locking mechanism.

Security classes

- forced entry resistance up to RC4
- bullet resistance up to FB4-NS
- blast resistance up to EXR3, additionally tested with 100 kg, 250 kg, 500 kg explosives, shock tube tests with a positive peak pressures up to 200 kPa, and proofs with long term pressure resistance up to 2.000 ms, GSA2
- SECURON® window, blast resistance and forced entry resistance up to RC3 in the tilted window position
- METAS® window, break out resistance and suicide prevention for prison and detention rooms up to RC4



Security classes

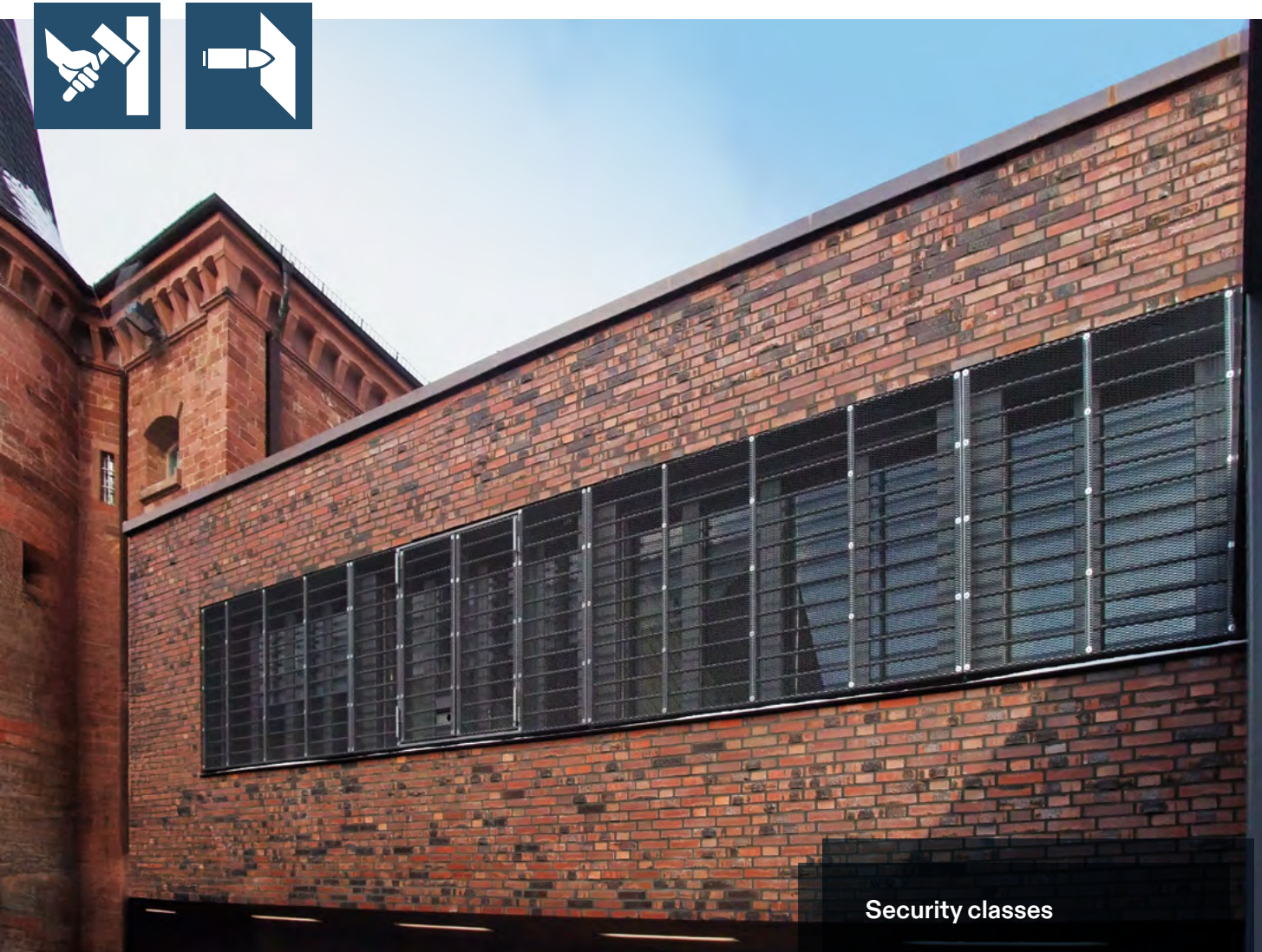
- forced entry resistance up to RC4
- break out security up to RC4, elements tested on both sides
- bullet resistance up to FB7-NS
- fire and smoke protection ratings up to T90/EI90, S200 (smoke)
- blast resistance tested, e.g. with 100 kg, 500 kg of explosives, GSA2

Narrow profiles – wide functionality

SECUFIRE® doors and windows

SECUFIRE® is a strong, yet slender steel tubular frame construction which features elegant multi-functional combinations of forced entry/break out resistance, bullet and blast resistance with transparent fire and smoke protection. Even if composed to elements of highest security ratings for diverse threat scenarios, the many design variants of SECUFIRE® elements retain their elegant style with expansive glazing and narrow profiles.

In order to allow a precise adaptation to individual applications and styles, the Series SECUFIRE® is divided into different model ranges for security doors, windows and partitions.



Security classes

- grills: up to RC4 and classes B according to VdS (German association of property insurers)
- louvres: up to RC5 and up to FB6-NS

Visible protection

OXIR® grills and louvres

OXIR® security grills and ventilation/weather protection louvres cover a wide variety of applications in passive building security. While security grills efficiently protect against forced entry, break-out and escape attempts from outside, the combinable ventilation/weather protection louvre add bullet resistance to these functions and enable weather protected building ventilation.

OXIR® products are main structural security measures for police stations, prisons, forensic clinics as well as all kinds of industrial facilities. Police and insurance companies also recommend them for private house applications and office buildings.