



SYSTEM SÄLZER®

Protecting Lives and Property



About SÄLZER

Security concepts based on a long experience

The traditional company was founded in 1777 and is family owned since 1930. Early in the 1970s the development and production of security products was started. In 1978 the first patent for a bullet resistant window was granted followed by many other patents. Now the 3rd generation of the family manages the company. SÄLZER develops and produces security concepts against forced entry, ballistic attacks, explosions, fire & smoke and unauthorized access.



Security concepts against:
Forced entry, ballistic attacks, explosions, fire, smoke and unauthorized access.

Our Performance - your Benefits

Tested and certified

The corporate philosophy **Protecting Lives and Property**, requires quality from the beginning. Our customers rely on the protection of our products in case of emergency. Through our extensive internal and external tests we ensure the reliability of our products. SÄLZER has more than 500 test certificates from approved test institutes.

Further qualifications:

- **Certified quality control** for forced entry resistant windows and doors by the institute PfB.
- Recommended by the **German police commission 'crime prevention'**.
- SÄLZER is recognised manufacturing facility for **VdS-approved products**.
- **"Authorised Economic Operator|C"**, approved for the simplified custom proceeding.
- SÄLZER products correspond to the requirements of **LEED** (Leadership in Energy and Environmental Design).
- Registered with the Association for the **prequalification** of Contractors e.V. under registration number **011.080020**.



Certified according to:
DIN EN ISO 9001:2015 and
ECOSYS (occupational safety according to **BS OHSAS 18001** / environmentalism according to **ISO 14001**).



Our customers

Customers from all over the world rely on security concepts from SÄLZER: Governments, detention facilities, police, buildings for several governmental authorities and ministries, various industries, banks, airports, individuals and many more.

Individuality is our standard

Each product is customized planned, manufactured and installed.

Comprehensive product range

SÄLZER offers the complete range of products for building security. Starting with the protection of the driveway for example by drop arm barriers, to guard houses, doors, windows, facades, grills and partition walls.

All products in the **SYSTEM SÄLZER®** are perfectly matched to each other and can be combined flexibly.

Combined protection against different threats

SÄLZER products offer protection against different threats in one product. For example the security steel door series S4 offers simultaneously protection against forced entry (up to class RC6), ballistic attacks (up to class FB7-NS), explosions (up to EXR5, GSA2), fire (EI90 and BS 476,120 min.) as well as smoke (S₂₀₀).

From consultation to maintenance

Our service includes consulting, planning, production, professional installation and maintenance.

Project experience worldwide

We have many years of experience in implementing complex projects. The projects differ respective to the used products, order quantity, application as well as the place of installation. SÄLZER supplied its products to over 90 countries.



The employees

The SÄLZER core competence is the production of innovative products in the highest security levels. So the professional and personal expertise of our employees is a key success factor for our company. Due to the high product specialization we train and educate our prospective craftsman.



Perimeter security



Guard houses & security entrances



Doors & gates



Windows & facades



Partition walls & interlocking doors



Grills & louvers

Doors & Gates



Double aluminium door **series S2es** with top and sight lights.



Glazed panic exit door with anti-panic hardware, forced entry resistant up to RC4.



Panic door **SECUFIRE®** fully glazed steel tube door. Security options: RC4, EI45, S200, FB4-NS.

Unlimited possibilities in steel, aluminium and glass

Every project is different, many factors vary, such as the safety requirements, constructional or country-specific conditions, the climate, legal requirements, the load, the design (simple, representative, decorative, durable, liveable ...).

For this reason, there are no standard doors at SÄLZER, but a modular construction system. The planners, architects and builders can individually compile the door with consideration to:

- Security requirements
- building physics
- architectural as well as
- in accordance with the legal requirements.

The SÄLZER modular construction

- Our doors are available in different design variations: single or double door, sliding elements, glazing and panels in different sizes and shapes, with side or top panels, glazed or opaque, with transoms.
- Inwards and outwards opening.
- Installation of e.g. deal trays and door viewer.
- Extensive additional equipment such as overhead door closers, drives etc.
- Powder coated or over glad with for example stainless steel, various types of wood or stone. Depending on the material anodized, galvanized and primed.
- Different lock variations.
- Combinable with all other products in the **SYSTEM SÄLZER®**.
- Durable and tested in life cycle test.
- And...



Double steel door, explosion resistant, with closing sequence control for a pumped storage hydro power plant.



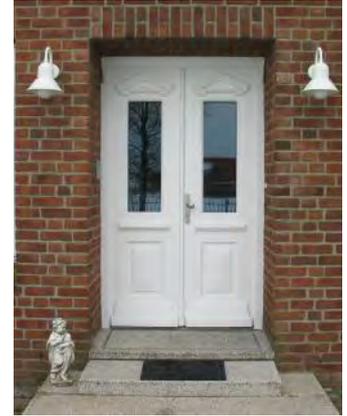
Cell door series S4Z, clad with wood with round arch, food passer, tested in RC4.



Blast resistant aluminium sliding door with side panels.



Double glazed steel door for a train control center.



Steel door, wooden planked for a private home.

Variations

Steel doors

Series S4

Security steel doors series **S4** provide combined protection against forced entry (up to RC6), ballistic attacks (up to FB7-NS), explosion (up to 27.5 bar, GSA2) fire (up to EI90, BS120) and smoke (S₂₀₀) in highest security classes.

Aluminium doors

Series S2 energy Saving | Series S6 energy Saving

Security levels depends on the selected series. Forced entry and bullet resistance series **S6es** up to: RC4 & FB4-NS, series **S2es** up to: RC5 & FB7-NS. Blast resistance: both series up to 8.8 bar (GSA2).

SECUFIRE®

Large glazing, narrow profile widths and simultaneously security against a variety of threat scenarios: up to RC4 (with anti-panic function also in full glazed variation), FB4-NS, EI45, S₂₀₀, blast resistance: tested with a charge of 500 kg.

Cell doors series S4 Z

Forced entry and break out resistant up to RC4, additional tested according to the cell door guidelines of Saxony-Anhalt.

Panic exit doors

Is forced entry resistance possible even the door is equipped with anti-panic locks? No problem for SÄLZER, our steel and aluminium doors are forced entry resistant even in glazed variations up to RC4, despite emergency exit locks according to DIN EN 179 and anti-panic fittings according to DIN EN 1125.

Monument protection doors

Materials, shapes, hardware und applications, all historical details match the original door. Security up to: RC5, FB7-NS, 8.8 bar (GSA2).

Vault doors

Massive vault door secures accessible rooms in every size, available up to resistance level 1.

Doors for the US-Department of State

Tested according to US-American standard: 5FE, 15 FE/BR and 60 FE/BR.

Steel gates

Various gate variations, almost every size possible.



Door for a US-American Consulate in Europe.



Security steel gate with a man-sized door.



Vault room door in resistance level 1.

Windows & Facades



Double glazed facade with windows, doors, glass roofs and panel inserts. Despite the high incorporated security the architecture won the highly coveted architecture award RIBA EU.

Modern, filigree, historic or just functional, definitely „safe“!

The security is the same, whether exact replica of historical elements, windows or facades for robust use in industrial and military buildings or elegant designs for embassies or private homes.

Individuality

The SÄLZER aluminium profile system permits various constructions for individual requirements - whether modern or historical style.

Creativity - tested and certified

SÄLZER has tested many design variations: mullion-transom constructions, windows with turn, tilt or tilt-turn window hardware, sliding elements or french casement windows.

Conception

Uniform appearance of the whole building in the **SYSTEM SÄLZER®**. Available as single unit or combinable with other SÄLZER products.

Surface Diversity

Anodized or powder coated, also clad with different materials such as stainless steel, stone, bronze and various types of wood.

Elegance

Despite high security narrow profile widths of the wing of 35 mm (**series S6es**) or mullion-transom construction with 50 mm profile widths.



Aluminium window series S2es, project in Harare, Zimbabwe.



Complete transaction window: fixed field, exchange drawer, intercom.



Monument protection: exact replica of the historical windows. Project in Oslo.

Variations

Aluminium glass facades

Series S1-S6-50 | Series S1-S60

Aluminium mullion-transom construction, available as vertical or slanting single or double facade, element facade, sloping roof construction, as window ribbons or as skylights.

Security tested up to: RC5, FB7-NS, to 3.57 bar (GSA2).

Aluminium window

Series S2 energy Saving | Series S6 energy Saving

Variants: fixed field, single or multiple window elements, turn, tilt, tilt-turn or turn-tilt window hardware, top-hung window, inward and outward opening. sliding elements or french casement windows, with top or side lights...

Security levels depends on the selected series. Forced entry and bullet resistance: **series S6es** up to: RC4 & FB4-NS, **series S2es** up to: RC5 & FB7-NS. Blast resistance: both series tested up to 8.8 bar (GSA2).

SECURON®

Security in tilted window position: forced entry resistant up to RC3 (in closed position up to RC4 & FB4-NS), blast resistant up to 2.44 bar (GSA2).

Cell windows METAS®

Security without grilles. Forced entry and break out resistant up to RC4, no risk for suicide attempts and vandalism.

Transaction windows

Complete element ready for installation up to RC5, FB7-NS, EI45: fixed field, partition walls, exchange drawers, with intercom system and counter on request.

Secondary windows

Retrofitting security, if the existing windows should not be replaced.

Monument protection windows

A true reproduction of the original window for example with round arch, wooden planked etc. Security up to: RC5, FB7-NS, 8.8 bar (GSA2).

Steel window SECUFIRE®

The all-rounder in addition to forced entry, bullet, explosion resistant even fire and smoke resistant.

Window for the US-Department of State

Tested according to US-American requirements: 5 min. FE and 15 min. FE/BR.



Security in tilted window position SECURON®.



Cell window METAS®.



Window of an embassy.



Secondary window installed in an office in Frankfurt.

Guard houses & Security entrances



Guard house for the entrance control to a U.S. American Embassy. Photo: with kind permission Wayss & Freytag Ingenieurbau AG.

Controlled access

Guard houses - modular security buildings

SÄLZER guard houses represent flexible access control based on its modular design construction:

- No standards: security, sizes, shapes, materials, equipment, interior design (for example control room, WC, kitchen) etc. are specified by the customers.
- Number of modules variable: 1 up to unlimited.
- The security levels against forced entry, ballistic attacks and explosions are freely selectable.
- The rigid construction allows the delivery as turnkey complete element (including electrical, heating, interior etc.).
- Quickly installation: after the prefabrication at SÄLZER the guard house is installed and ready for use (after foundation preparation) in 1 - 7 days.
- Simple transport and worldwide use: adapted to country-specific characteristics such as climate or energy supply.

Individual designed security entrances

Design and security requirements differ, therefore we offer a tested and matched modular system for the design of security entrances.

- Doors, door- and interlocking-door control systems, gates, transaction windows with exchange drawer, glazed facades, partition walls, intercom systems, access and video control, X-ray devices, metal detectors or counter etc.
- Combined protection against forced entry, ballistic attacks, explosions, fire and smoke - in different design variations and materials.



Generous glazed guard house, forced entry and bullet resistance, 15 FE/BR.



Entrance to a military property.



Security entrance to a detention facility.



Security drop arm barrier K4, pass through protection to a military property.

Access-control

The protection of a property does not begin on the building itself but before. To realize a controlled and smooth access and exit of vehicles to and from the property SÄLZER offers alternative protection devices:

- **drop arm barriers**
- **steel blade barriers**
- **retractable and fixed bollards**

Highest security

According to the standard from the US-Dep. of State SD-STD-02.01 / ASTM F2656/F2656M-15

K4 level (15,000 lbs / 30 mph), impact load: 610kJ

K8 level (15,000 lbs / 40 mph), impact load: 1,085kJ

K12 level (15,000 lbs / 50 mph), impact load: 1,695kJ

According to PAS 68

PAS 68: 16,500 lbs / 50 mph, impact load: 1,852kJ

Also available according to the requirements: IWA 14-1: 2013

In accordance with customer-specific requirements

Tested with for example 44,000 lbs, 20 mph

Customised design

Every drop arm barrier, bollard system or steel blade barrier is customised planned and produced in accordance to the security requirements, to the architectural or country-specific characteristics, to the type of load and to the design requirements (simple, representative, robust or...).



Combined automatic retractable and fixed bollards.



Shallow mount barrier, foundation depth just 500 mm.

Partition walls & Interlocking doors



Security partition wall within a court.



Large variety of design through individual combination and design options.

Partition walls Compatible in SYSTEM SÄLZER®

Areas that require added security inside the building use security partitions, such as banks, alarm- or control-centers and commercial control rooms.

SÄLZER partition walls offer unobtrusive security and are available in a variety of finishes (wood, aluminium and stainless steel) with and without glazing.

For more representative buildings we can also provide claddings in bronze or other surface treatments, based on our customer's choice. Heavy duty finishes can be offered for use in commercial areas. Optional doors, windows, transaction windows or panels can be integrated. Further options include counters and rack modules customized to the requirements.



Entrance / exit of a court, entrance and exit are separated.

Interlocking doors

SÄLZER manufactures custom-made interlocking door systems for courts, detention facilities, embassies, military properties, industrial sites or banks and many other security areas where a controlled access to the building is necessary.

The entrance system with two or more doors will be designed exactly according to the security needs, the spatial conditions and the architectural style of the building. The interior of the interlock door system can also be designed customised with SÄLZER partitions and transaction windows. Escape route security systems can be integrated and the control system is individually programmable and developed by SÄLZER. Further options: intercoms, video surveillance and electronic access control. An electronic entrance monitoring and person separation can be integrated.



Entrance into the interlocking door system for security control.



Partition wall within an interlocking door system for the inspection of vehicles (detention facility).



The production of forced entry and break out resistant **OXIR**[®]-grilles is subject to continuous external monitoring with regular control by the VdS, Cologne.



Our grilles can only fulfil its purpose when they are properly installed so we recommend the installation by our installation team.

OXIR[®] grilles

Protection against forced entry and break out attempts

The **OXIR**[®]-grilles are tested and certified against forced entry according to European standards in resistance class B and RC4. SÄLZER grilles are recommended by the police. The grilles are tested from both sides and offer even protection against break out attempts from the inside. SÄLZER has several patents for the **OXIR**[®]-grilles. The grille frame is wall mounted and double fastened and has a special steel inlay against forced entry attempts with a saw.



Custody tract from a police station.

Louvers & weather-protective grilles

Protection against forced entry & ballistic attacks

Louvers or weather-protective grilles are used where rooms must be vented and also protected against forced entry and bullets. The louvers provide natural ventilation and protect rooms or buildings against unauthorized entry through the ventilation shaft. Through the special placement of the single blades, SÄLZER louvers offer resistance against bullets and protection against rain and wind.

SÄLZER louvers are tested and certified according to European and American standards:

- according to the European standard: forced entry resistance level RC4 and RC5 in combination with bullet resistance FB4-S.
- according to the standard of the US-Department of State: 5 min FE and 60 min FE/BR

The solid and very robust louvers are manufactured of steel. The louvers, which are tested to the European standard are also available in stainless steel.



Louvers for an energy producing company.



Mounting the louver into a forced entry resistant steel door up to RC4 with anti-panic hardware.



SYSTEM SÄLZER®

Combined Protection

For more than 40 years SÄLZER has led the industry in the development and technology of forced entry, bullet, fire, smoke and blast resistant building components.

Each of our products is subject to a strict internal and external quality management.

Please ask for additional brochures about our further products: windows, facades, doors, gates, guard houses, partition walls, access control, barriers, bollards, accessory components etc.

Spectacular test videos:
[youtube.com/user/saelzersecurity](https://www.youtube.com/user/saelzersecurity)



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