

MEDIA INFORMATION

„Between you and aggression“ – Sälzer leading in innovative building security

For more than 25 years, Sälzer GmbH has developed and produced security elements to protect people and property in high risk buildings against physical attack and terrorism. Organizations worldwide depend upon Sälzer's innovative approach to providing the best forced entry, bullet and explosion resistant facades, windows and doors to protect their people and property.

The basis of this family owned company's success is it's investment in research and development. A unique specialty of the company is it's ability to combine forced entry, bullet and blast resistance in one element. Customers around the world have placed their faith in Sälzer's security concepts. "Only elements that have been field tested, in realistic conditions can be guaranteed to provide security in real world cases", says Sälzer managing director Heinrich Sälzer.

Comprehensive test strategy

For these reasons, Sälzer uses a comprehensive testing strategy that includes testing by independent testing institutes in Germany and foreign countries. These independent testing institutes then provide Sälzer with the test certificate the customer can trust. Quality and security doesn't stop here, but continues with further testing from in-house and independent facilities.

In spectacular field tests, Sälzer tests the stability and protective qualities of various curtain wall constructions with up to 500kg TNT to simulate realistic terror bomb threats, crashes 7.5 ton trucks traveling 80 kph into steel blade barriers and fires 50 rounds of 7.62mm hard core ammunition at critical points of the door and window constructions. Sälzer combines the different security requirements in one element despite the different testing requirements for forced entry, bullet and blast resistance. Sälzer can integrate all three resistance requirements in one element based upon the customer's individual needs.

High security windows and facades from Sälzer offer certified protection up to forced entry level 5 (WK5) in accordance with DIN EN 1627-1630 and even in the tilted position offer protection at level 2 and level 3 (WK2 and WK3). Windows, facades and

doors have been tested with 500 kg. TNT and in the tilt open position continue to offer protection. The high security elements are difficult to differentiate from non security elements. Aesthetic demands, whether modern or historical can be achieved.

Actual terrorist attacks confirm customer's confidence in Sälzer

Actual terrorist attacks prove the confidence in quality and reliability of Sälzer products. Years ago a delivery truck loaded with explosives was parked near a European police station and detonated. The 30 policemen inside the building escaped serious harm because the Sälzer high security doors and windows were able to withstand the high blast pressures. The same could not be said of the other nearby buildings which were damaged and through the enormous blast pressure had the added danger of splintered glass entering the unprotected buildings.

Imagine that a blast pressure measuring 3.5 BAR exerts 35 tons pressure per square meter upon the affected surface and Sälzer elements continue to offer protection.

Additionally, forced entry and bullet resistance can be integrated into these elements. Worldwide, Sälzer products have withstood actual terrorists attack. One prominent example being the attack on the prison in Weiterstadt.

European and International standards exceeded

Sälzer tests its products according to the European and International standards, and if required by the customer, beyond. The integrated security solutions are certified and acknowledged worldwide. The architecturally appealing design gives the architect freedom and creativity of design despite the high security levels offered.

Customers from every branch

Sälzer products have and continue to protect many industrial facilities, embassies, consulates, military facilities, commercial and national banks, public agencies, hospital and forensic facilities and private residences. Examples include the German embassy in Tokyo and the regional central bank in Koblenz.

Individual security concepts

Because each situation is different, Sälzer examines the surrounding environment and analysis the potential threat to create the individual security concept to meet the needs of the customer. Our wide and innovative product portfolio ensures the perfect integration of separate security elements.

Retrofitting an existing building is possible. The levels of security can be custom fitted to meet the customer's security needs.

These concepts extend to the perimeter of your object with high security barriers, drop

arms and bollards to prevent unauthorized vehicle access to your grounds. The combination of these elements give you the added time and distance between the attacker and you.

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Legend:

German embassy protected: invisible security concept.

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