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## sedak: Insulating glass in all bullet-resistance classes „A+Awards Special Mention 2020“ for sedak isosecure

#sedak  
#leadingglass  
#bulletproofglass

# Bullet-proof

**As protection against attacks using weapons sedak offers protection in the bullet-resistance classes BR2 NS to BR7 NS (according to DIN EN 1063), so up to the highest level of protection, with its insulating glass sedak isosecure. Glass panes are therefore available to suit every security requirement level. The glass does without the polycarbonate system that is usually used, whereby the fire risk is reduced in comparison to conventional solutions. In August 2020, sedak isosecure achieved a „Special Mention“ in the well-known Architizer A+Awards. The comprehensive overall functionality of the insulating glass was commended.**

Seats of government and embassies, private houses with increased security requirements, airports and venues for events: there are many buildings that have high security requirements in connection with protection against attacks with firearms. This places high demands, especially on the transparent surfaces. The glass processor sedak offers the bullet-resistant insulating glass sedak isosecure to meet these demands. It is now widely certified in the bullet-resistance classes BR2 NS to BR7 NS (according to DIN EN 1063). In the highest bullet-

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resistance class the panes even withstand attacks with hardened steel-core ammunition.

The bullet-resistant insulating glass is available up to a maximum format of 3.6 x 20 meters – and is also certified for thermally toughened glass. A special feature is that sedak isosecure achieves its high splinter-free resistance without use of the conventional polycarbonate system. This reduces the fire risk significantly.

Independent of the security class, the glass can be supplied with the usual solar and heat control coatings. Reliable security and aesthetically pleasing transparency for representative buildings with high security requirements are therefore no longer mutually exclusive – through the use of bullet-proof, oversized glass panes. This is all the more true since the pane construction always has glass (and not film) on both external sides: so that the impression made by the glass remains undisturbed from both the inside and the outside.

### **Award-winning**

At the beginning of August sedak isosecure received a special award for its high functionality, which combines high aesthetic requirements with modern energy standards and special functions: in the well-known architecture product competition „A+Awards“ from the American portal „Architizer“ the glass received a „Special Mention“ in the category „Facades – glass and glazing“.

### **Top security on both sides: sedak secuprotect**

sedak also offers bullet-resistance for glass with a monolithic construction. It provides protection from both sides. This makes particular sense, for example, where large numbers of people stream past each other and it is difficult to predict in advance the position from which an act of violence will start (passenger movements in airports etc.). The construction of sedak secuprotect solves this problem elegantly as its symmetrical design offers certified bullet-resistance from both sides. The security glass is certified for the highest bullet-resistance class BR7 NS and even achieves STANAG Level 3.

*56 lines / around 2800 characters*

## Picture captions

[20-05\_isodecure\_BR]

*sedak isodecure: The security glass in the bullet-resistance classes BR2 NS to BR7 NS resists shots with hard-core ammunition – it is available up to a maximum format of 3.60 x 20 meters.*



*Photo: sedak*

[20-05\_isodecure\_architizer]

*Award-winning: With a „Special Mention“ in the category „Facades – glass and glazing“ sedak isodecure is one of the winners in the international „Architizer A+Awards“. Only around five percent of the products submitted achieve an award.*



*Photo: sedak*

## Picture captions

[20-05\_secuprotect]

*sedak secuprotect: sedak also offers certified bullet resistance for glass with a monolithic construction – and that from both sides.*

*Photo: sedak*



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## Leading glass

Since its founding in 2007, Germany-based company sedak has used its pioneering spirit to establish itself as a premium manufacturer of large-format insulated and safety glass. sedak has evolved their glass as a construction material for all-glass facades and roofs. Iconic facades and buildings are created with an unprecedented degree of transparency thanks to superior quality of innovative products.

sedak manufactures single-pane glass units, multi-layer glazing and functional insulated glass units in formats up to 3.6 x 20 meters in an efficient, highly automated system. Raw glass is treated, strengthened, laminated, printed, lamination-curved and assembled into insulated glass with a unique set of machinery that spreads over a production area measuring 35,000qm. Since integrating Italian-based Sunglass Industry srl, who are the specialist in curved glass, sedak's core expertise also now includes hot bending glass. The specialist also supplies exceptional solutions for luxury yachts with optimized glass for use on the high seas.

The glass fabricator particularly demonstrates its solution-oriented expertise in special designs. Thanks to its research and development spirit, new technologies and the expertise of its 190 employees, sedak is constantly advancing innovations in glass finishing and sees itself as a partner to architects, developers, facade builders and metalwork companies. As a specialist in oversized and extremely heavy glass, the company develops future-oriented solutions to implement customers' visions with a flexible approach. The glass fabricator acts as a full-service supplier – from the initial order to final delivery. sedak thus helps advance tomorrow's visionary architecture today.

Exceptional reference projects provide proof of impressive expertise. These include: Lakhta Center, St. Petersburg / House of European History, Brussels / Faculty of Medicine, Montpellier / Torre Europa, Madrid / Iconsiam, Bangkok / Apple Park, Cupertino / Apple Cube, New York / Experimenta, Heilbronn / Numerous premium flagship stores.

#### **Areas of use**

- |                     |                        |
|---------------------|------------------------|
| • Glass facades     | • Pool glazing         |
| • Glass roofs       | • Safety glazing       |
| • Glass stairways   | • All-glass structures |
| • Glass balustrades | • Interior design      |
| • Yacht glazing     | • Special designs      |