

Highly versatile.
Sectional doors
SECTIOLITE®

BUTZBACH - THE DOOR COMPANY.®



The professional among the sectional doors

Butzbach was founded in 1953 and is now in its third generation as a German family business. With more than 270 employees, we are the specialist for industrial and hangar doors.

That's how Butzbach came to produce the SECTIOLITE sectional door for special purposes. The functional principle, construction, choice of materials and processing quality are designed for a robust industrial environment and up to 150,000 opening cycles per year. This ensures long-term reliability and cost-effectiveness.



Proven to work in practice worldwide

Sectional doors **SECTIOLITE®**

Freiburg (DE)

Highway administration

During the comprehensive renovation, 16 SECTIOLITE with personnel doors in combination with facade elements were installed. The usable space of the building could thus be increased and the lighting situation inside improved.



Gersthofen (DE)

LEW

As part of the renovation, personnel doors were integrated into the sectional doors, since the narrow door openings did not allow side entrances.



Copenhagen (DK)

Airport

Two SECTIOLITE Sprint are installed in the bulky baggage loading area. The high level of reliability is demonstrated with 130,000 openings in 24 months without any faults or downtimes.



Tokio (JP)

Dyna-city Yakumo

Five SECTIOLITE were installed in the garage area of this residential and commercial building. The translucent fibreglass creates pleasant brightness on the inside and an attractive facade design on the outside.



You can find more completed Butzbach projects at www.butzbach.com.

The perfect solution for your application

Speed

When time is of the essence, the SECTIOLITE impresses with an opening speed of up to 1.5 m/s - depending on the version.

Resistance to wind load

SECTIOLITE is also a highlight in terms of wind load, as it easily withstood a pressure of up to 2.4 kN/m². This corresponds to the strength of a class 4 hurricane and a speed of 223 km/h.

Security

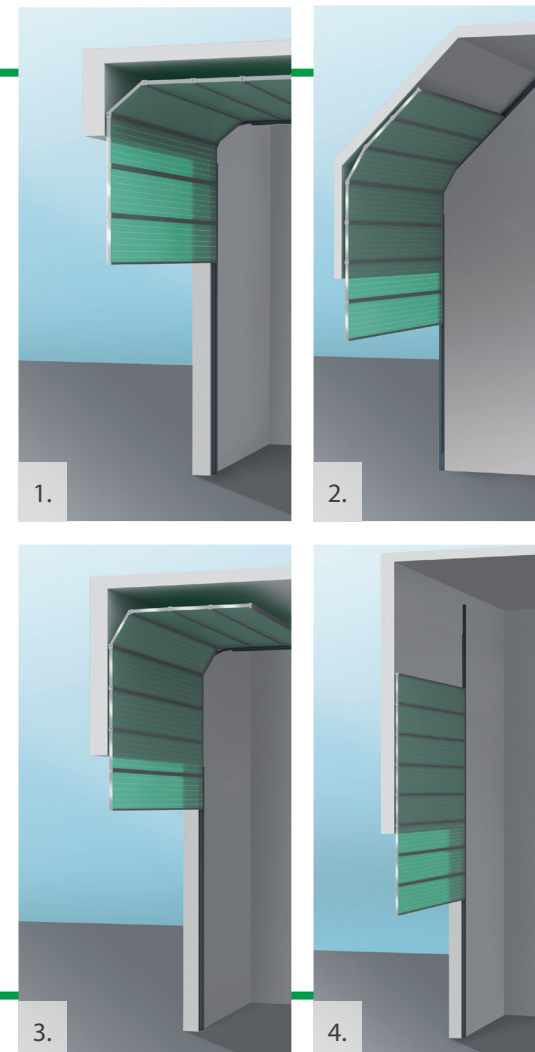
In the security version, SECTIOLITE is even available with RC3 certification for burglary protection.

Low headroom

The SECTIOLITE sectional door is ideal for construction situations with a low headroom from 350 mm. The size of the door can be adapted to your requirements with millimetre precision up to a width of 6.0 m and a height of 5.0 m.

You can install SECTIOLITE in different ways depending on the structural conditions and installation situation:

1. When opening, the door sections are deflected under the ceiling and guided into the interior of the building. A headroom of 350 mm is sufficient for this.
2. Through the use of a roof guide fitting, SECTIOLITE adapts to the geometry of your ceiling design.
3. In the case of high headroom, a higher deflection ensures that the room height can be used almost to the full.
4. SECTIOLITE can also act as a vertical door without deflection if the height above the door opening allows it..



The innovative material **FIBREGLASS**

Fibreglass – a material that, thanks to its positive properties, is also used in shipbuilding and in the aerospace industry. In addition to properties such as stability, durability, thermal insulation and resilience, fibreglass from Butzbach impresses above all with its light transmission.

At Butzbach, fibreglass was introduced as a material for industrial doors, hangar doors and facade elements more than 40 years ago and has been continuously developed ever since, in line with market requirements.



Your benefits at a glance



Light transmission up to 78%

The light transmission creates a natural incidence of light without glare or hard shadows. A pleasant working atmosphere without any industrial lighting is the result. This saves energy and thus costs. Also an eye-catcher at night!



Low dead weight

Fibreglass therefore enables extreme spans without additional reinforcement profiles and substructures for quick assembly.



Flexible and stable at the same time

Even in large designs, it withstands high pressure and suction forces, such as wind load. Long service life even under heavy use.



Corrosion resistance

The material is resistant to moisture, environmental influences and changing temperatures, making it a popular material for a wide range of applications.



Thermal insulation

Fibreglass panels achieve excellent thermal insulation values. Harmful UV rays are absorbed 100% and differences in temperature are evened out. This leads to higher protection for sensitive goods and the entire interior.



Appealing appearance

You can choose between the colours brilliant and emerald green. The combination of facade elements and doors made of the same material creates interesting building fronts with a uniform look.



Less wear and tear **Improved performance**

No springs, spiral cables or wire ropes

Possible risk factors and longer downtimes are minimised because we do not install wearing parts such as tension or torsion springs. This enables the extremely long service life of our SECTIOLITE and thus significant cost savings.

Maintenance accessibility

Thanks to the intelligent construction of SECTIOLITE, quick and uncomplicated maintenance is possible at any time. The track cover can be removed separately so that the door components are freely accessible.

Higher requirements **High quality solutions**

Door sealing

- Air permeability class 4 according to EN 12426
- Watertightness under heavy rain class 3 at a pressure of 300 Pa (50 Pa required according to EN 12425)
- Savings on heating and cooling

Extreme climatic conditions

The fibreglass door filling and the aluminium frame material have almost identical thermal behaviour under extreme temperature conditions, which is why this material combination is ideally suited for safe use in all climate zones.



For your safety Do not take any risks

Safety edge control

The electric safety edge control stops and automatically reverses the door if it encounters an obstacle. Alternatively, it can be secured contactless via a photo eye, a light grid or additional sensors.

Minimizing the risk of injury

The SECTIOLITE tracks closed on three sides ensure a high level of safety. The risk of crushing and injury associated with reaching into moving parts is almost excluded thanks to the design of SECTIOLITE - without spiral cable and protruding hinges.

Safe holding device

Instead of standard wire ropes, we use a high-performance safety belt with a breaking load of 3 tons per side. Protection against the door panels falling is realised by means of certified strap monitoring.

Integrated safety gear in the drive unit

The actuator used in our SECTIOLITE has an integrated safety device in the drive unit. If the drive unit fails, the door panels are brought to a standstill in the respective position immediately and without impact.



Special equipment

Sectional doors **SECTIOLITE®**



Integrated entrance door

The self-supporting door can be used as an integral part of the operational passenger transport system thanks to the low, almost barrier-free threshold with a height of only 20 mm. It adapts optimally to the external appearance and at the same time minimises energy loss



Humid and wet areas package

Moisture, aggressive circulating air and contact with cleaning agents pose an enormous challenge for all door materials over the long term. SECTIOLITE offers the possibility of permanently protecting essential structural elements from these influences. Our non-corroding fibreglass door filling does the rest to enhance the visual appearance and significantly extend the life of the door.



„Storm“ option

The „Storm“ version easily withstands wind loads of up to 2.4 kN/m². This corresponds to a speed of 223 km/h or the strength of a class 4 hurricane. Operation is still possible up to 120 km/h and a wind load of 0.7 kN/m². The resilience has been certified according to EN 12424. SECTIOLITE Storm is particularly suitable near the sea or in alpine areas with extreme wind conditions.



„Sprint“ option

The „Sprint“ package impresses with an opening speed of up to 1.5 m/s. Despite the high speed, wear and tear is very low even in continuous operation.

Pretty secure

SECTIOLITE Security with RC3 certification

Can certified security go hand-in-hand with an attractive design? This is possible with our SECTIOLITE sectional door.

In contrast to heavy steel doors customary on the market, burglary-resistant Butzbach doors offer you light transmission and an appealing aesthetic thanks to fibreglass, which is also stable and at the same time flexible. Inside the building there is a pleasant and bright working atmosphere. In addition to reinforced profiles, an increased number of hinges and fixing brackets, automatic locking after closing the door ensures security against unwanted intrusion.

Go on the safe side.
Choose a RC3-certified SECTIOLITE Security -
protect your valuables with style and certified burglar-resistant doors.

What is RC?

RC stands for resistance class.

What is an RC test?

The classic RC test is the determination of the resilience of a door under static and dynamic loads with defined forces in a specified time.

According to which standards is the door tested?

The test is carried out according to the standards DIN V ENV 1627 and DIN/TS 18194. Here, the various classes are distinguished with increasing protective effect.



Butzbach solutions in all their variety



Stacking doors SPACELITE®

- Best light conditions in the building thanks to translucent fibreglass filling.
- Space-saving stacking technology.
- Long-lasting cost-effective and reliable operation thanks to low-wear technology.



High-speed doors ECOSPRINT® | NOVOSPRINT®

- Side opening for double speed and a clear increase in safety.
- Up to 350,000 openings per year: developed for the highest demands and frequency of use.
- Innovative durability, reliability and efficiency.



Sliding doors HANGAR DOORS®

- Complete reliability and operational safety.
- Best light conditions thanks to translucent fibreglass filling.
- Individual project support from the first draft to the aftersales service.



Fibreglass facades VARIOPLANplus®

- Innovative material combination: aluminium frame with fibreglass filling.
- High transmission ratio, low dead weight, excellent thermal insulation properties and outstanding durability.

Facts and versions Sectional doors **SECTIOLITE®**

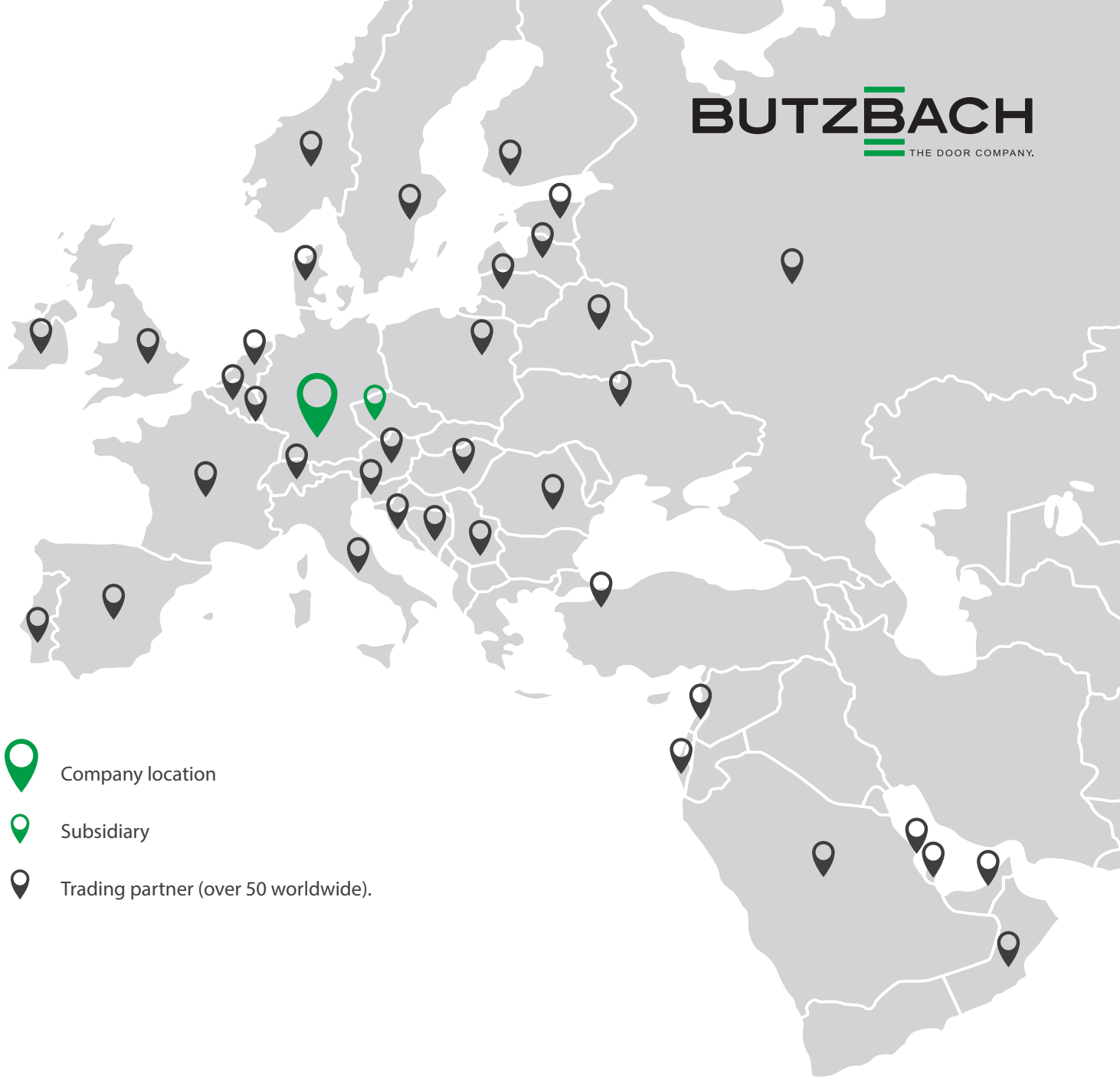
Characteristic / Door type		SECTIOLITE® ST40	SECTIOLITE® ST40T (with door)	SECTIOLITE® ST40S STORM	SECTIOLITE® ST40S SECURITY	SECTIOLITE® ST40S SPRINT
Door size	Width min./max. (clear opening width)	2.000 / 6.000 mm	2.000 / 5.500 mm	2.000 / 6.000 mm	2.000 / 6.000 mm	2.000 / 4.500 mm
	Height min./max. (clear opening height)	2.000 / 6.000 mm	2.800 / 5.000 mm	2.000 / 5.000 mm	2.000 / 5.000 mm	2.000 / 5.000 mm
	Headroom requirement standard min.	350 mm	400 mm	350 mm	550 mm	550 mm
	Space requirement total depth min. / max.	*	*	*	*	*
	Space requirement on the motor side / not on the motor side min.	185 / 185 mm	185 / 185 mm	185 / 185 mm	300 / 185 mm	185 / 185 mm
	Height vision panel lower edge / upper edge in standard	500 mm	500 mm	250 mm	250 mm	250 mm

Performance characteristics	Designed for ... Opening cycles per year	100.000	50.000	100.000	100.000	150.000
	Continuous operation: Up to...Opening cycles per hour	20	20	20	20	30
	Opening speed max.	1 m/s	0,6 m/s	1 m/s	1 m/s	1,5 m/s
	Operating forces/safe opening according to EN 13241-1	complied	complied	complied	complied	complied
	Water tightness according to EN 12425	Class 3	Class 3	Class 3	Class 3	Class 3
	Resistance to wind load according to EN 12424 up to	Class 5	Class 5	Class 5	Class 5	Class 5
	Resistance to airborne sound Rw according to EN ISO 717-1 up to approx.	23 dB	24 dB	24 dB	24 dB	24 dB
	Thermal resistance Up according to EN 12428 up to	0,65 W/m²K	0,65 W/m²K	0,65 W/m²K	0,65 W/m²K	0,65 W/m²K
	Air permeability according to EN 12426 up to	Class 4	Class 3	Class 4	Class 4	Class 4
	Burglar resistance according to DIN/ TS 18164 up to	-	-	-	RC3	-
	Fire behavior according to DIN 4102-1	B2	B2	B2	B2	B2
	Fire behavior according to DIN EN 13501-1	E	E	E	E	E
	Power supply Standard	1L / N / PE 230V 50 Hz 3L / N / PE 400V 50 Hz	1L / N / PE 230V 50 Hz 3L / N / PE 400V 50 Hz	1L / N / PE 230V 50 Hz 3L / N / PE 400V 50 Hz	1L / N / PE 230V 50 Hz 3L / N / PE 400V 50 H	3L / N / PE 400V 50 Hz

Safety equip- ment	OSE as safety edge device	X	*	X	X	X
	Light curtain (integrated) as safety edge device	*	X	*	*	*
	Guide rail closed on three sides	X	X	X	X	X
	Integrated safety device in the drive unit	X	X	X	X	X
	Anti-lift device	X	X	X	X	X
	Electrically and mechanically bolted anti-lift device	-	-	-	X	-
	Light curtain (mounted in front) for contactless reversing	+	+	+	+	+
	Sensor solutions for opening and monitoring	+	+	+	+	+
	Optical or acoustic warning signals	+	+	+	+	+

Options	Vertical runner	+	+	+	+	+
	Suitable for wet room/ damp room (car wash)	+	+	+	-	+
	Panic fitting for passage door	-	+	-	-	-
	Can be combined with a high-speed door	+	+	+	+	+
	Customised solutions	*	*	*	*	*

X = Standard
+ = Optional
* = On request
- = Values for this door type are not meaningful or not yet collected.
Many safety devices and options can be combined with each other. Specifications may vary depending on size, application and equipment. We reserve the right to make changes at any time!



Company location



Subsidiary



Trading partner (over 50 worldwide).

Butzbach GmbH Industrietore | Weiherstraße 16 | 89293 Kellmünz (Germany)
Tel. +49 8337 901-0 | info@butzbach.com | www.butzbach.com

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