

Durable, energy-efficient, safe.

STACKING DOORS SPACELITE®

BUTZBACH - THE DOOR COMPANY.®



**100%
Made in
Germany**

More than a door. **A protrusion.**

The Butzbach company was founded in 1953 and is now managed by the third generation as a German family business. With around 300 employees, Butzbach is your specialist for industrial and hangar doors.

Our unique combination of opening technology and door infill made of translucent fibreglass has created a completely new type of door.

In many criteria it is superior to conventional doors: flexibility in adapting to your requirements, maximum reliability and economic efficiency over the long term.



Proven to work in practice worldwide

Stacking doors SPACELITE®

Stetten (DE)

Car dealership Novitec GmbH & Co. KG

SPACELITE HTvision doors made of real glass support the stylish appearance of the modern car dealership. They convey technicality, aesthetics and inviting openness and simultaneously act as a door and shop window at the same time.



Tel Aviv (ISR)

Sheeva High School

A light-flooded canteen that turns into a covered terrace at the touch of a button: Instead of a fixed glass facade, translucent SPACELITE doors were installed here. This allows the spacious interior to be flooded with light without glare effect.



Karup (DK)

Sea rescue

In an emergency, the helicopter crews must take off within a few minutes directly from the hangar. The SPACELITE HT150 guarantees ultimate reliability in operation. For the maximum opening width, two doors form a double door system with a movable mullion. The door width can therefore be easily doubled.



Abu Dhabi (AE)

Formel 1 race circuit

Maximum reliability and optimal lighting conditions in the pits: Both could be perfectly realised by installing 81 SPACELITE stacking doors and 6 SECTIOLITE sectional doors with fibreglass filling from Butzbach.



One door Many possibilities

Every business is unique. And so are our SPACELITE doors.

The first step is to analyse your requirements as part of a personal consultation. Then we develop a customised solution for you.

Because with a SPACELITE, your requirements in terms of function, format and design determine the door. Based on the basic models, you receive precisely the configuration - from a wide range of equipment options, control units and pulse generators, as well as various model variants, material combinations and surface finishes - that offers you real added value.

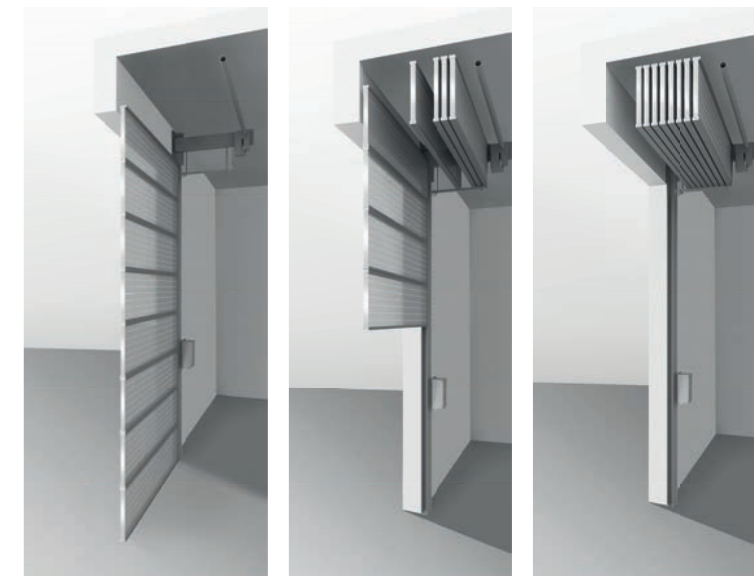
Door panel fillings

Depending on the size, function and design, you can choose from various door panel fillings:

- ≡ Fibreglass panels
- ≡ Acrylic glass panels
- ≡ Real glass filling (double or triple glazed)
- ≡ Special infills such as perforated sheets with individual patterns
- ≡ Combination of the above mentioned fillings

Opening technique Stacking doors SPACELITE®

When opening, the door elements line up vertically and compactly behind the lintel. Thanks to the wall mounting without ceiling suspension, the door is suitable for almost all installation situations - in new buildings and refurbishments.



The innovative material Fibreglass

Fibreglass - a material also used in shipbuilding and aerospace industry thanks to its positive properties. In addition to features such as stability, durability, increased thermal insulation and load-bearing capacity, Butzbach fibreglass is particularly impressive due to its enormous light transmission. Butzbach fibreglass has been introduced as material for industrial doors, hangar doors and facade elements over 40 years ago. It has been continuously developed ever since in line with market requirements.



Your advantages at a single glance



Light transmission up to 78 %

- Natural incidence of light without glare effect
- No cast shadows
- Bright and pleasant working atmosphere



Low dead weight

- Extreme spans possible
- No additional reinforcement profiles / substructures required
- Quick and easy assembly



Flexibility & stability

- High wind load resistance
- Long service life under heavy loads



Corrosion resistance

- Resistance to moisture
- Resistance to environmental influences and changing temperatures



Energy efficiency

- Excellent thermal insulation values
- 100 % absorption of UV radiation
- Less industrial lighting = electricity cost savings



Made in Germany

- Handmade in Southern Germany
- Valuable raw materials
- Maximum quality

Stacking door SPACELITE®

The individual door for all dimensions

Big. Strong. Reliable.

- Door formats up to 25 m width or 24 m height
- Door panels with thermally insulated fibreglass with an installation thickness of 40 - 200 mm
- Door panel height from 500 - 1,000 mm
- Light transmission up to 78 %
- Thermal insulation up to $U_p = 0,65 \text{ W/m}^2\text{K}$
- Optional integrated acrylic or real glass panels
- Burglary protection in accordance with DIN/TS 18194 up to RC4



**NEW
IMPROVED
THERMAL INSULATION**
 $U_p = \text{up to } 0,6 \text{ W/m}^2\text{K}$



On display The showcase among the doors

The decision in favour of our HTvision pays off for you in several ways. You can present your company and your product in an elegant ambience - both during and outside opening hours. Thanks to large-area glazing, this variant harmonises perfectly with your individual facade design and ensures generous and reflection-free visual contact from every perspective.

Advantages of real glass elements compared to transparent plastic glazing



Large glass surfaces
Up to a width of 4,000 mm
without vertical transoms



Elegant design
Modern look for
high-quality facades



Energy efficiency
Double or triple-walled safety
glass with outstanding
thermal insulation



Weather resistance
Scratch-resistant glass
without yellowing or tarnishing



Durability & stability
Robust safety glass
without optical deformation



Full transparency
More daylight and no
undesirable mirror effect

Stacking door **SPACELITE® HTvision** Clear view. Strong technology.

- Door panels with ESG insulating glass | Thermal insulation value $U_p = \text{up to } 0,6 \text{ W/m}^2\text{K}$
- Real glass panels with double glazing without vertical transoms up to 4,000 mm door width
- Real glass panels in triple glazing without vertical bars transoms up to 2,000 mm door width
- Design with thermally separated profiles
- Technical regulations for linear glazing (TRLV) and DIN 18008-2 for overhead glazing are fulfilled



Room for your wishes

Customised solutions



Wet and damp rooms | Washing bays

Moisture, aggressive circulating air and contact with cleaning agents pose an enormous challenge for all door materials in the long term. The SPACELITE offers the option of permanently protecting all essential components from these influences. Our corrosion-free door infills made of fibreglass and mineral glass do the rest to enhance the visual appearance and significantly extend the service life of the door.



Thermal insulation

You need a door with improved thermal insulation? In this case, we equip the SPACELITE with additional insulation - whether through a multi-chamber system in the fibreglass, panel infill with transparent gel, plastic profiles on the inside of the door leaves or additional sealing on the guide rails - all these measures pay off in terms of energy savings and pleasant working areas.



Moveable mullion

A multiple door system with mobile intermediate supports can be the optimum solution for wide openings. Only, if necessary, the entire width is released for wider vehicles or aeroplanes by moving the support. This allows the width of a door to be doubled or even tripled.

Outdoor installation

Especially in renovation projects, there is often no room for the door mechanism on the inside. For these cases, the SPACELITE offers a solid and visually appealing solution: the door construction is simply attached to the outside of the building, adequate weather protection provided.



Side entrance door

Instead of an emergency opening, you require a pedestrian door that matches the main door? We then recommend our side entrance door, which harmonises in terms of material and design and ensures reliable separation of walkways and driveways.



Customisation to your preferences

Our fibreglass can be supplied in the colours brilliant and emerald green. You can (optionally) customise the colour of the door profiles so that your new door perfectly matches your company colours.



Swivelling side section

You need the advantages of a separate entrance door and, at the same time, occasionally desire to utilise the full width of the opening? Our solution: A side door element that can be swivelled at full height. This enables you to conveniently handle daily pedestrian traffic via the entrance door and extend the passage width of the door if required.



Combination with a high-speed door

Our combination of a side-opening high-speed door and robust stacking door offers ideal conditions for any operating situation. During peak times, the high-speed door ensures the fast and efficient flow of traffic. During quiet periods, the closed stacking door ensures a secure, thermally insulated building closure.



Protection without compromise

Burglar-resistant stacking doors

RC2 | RC3 | RC4

Certified security with an attractive design at the same time?

This is possible with our SPACELITE stacking door.

In contrast to standard heavy steel doors on the market, burglar-resistant Butzbach doors offer you light transmission and attractive aesthetics thanks to fibreglass, which is also stable and at the same time flexible.

A pleasant and bright working atmosphere prevails inside the building.

Protect your valuables with style and certified burglar-resistant doors.



RC2 certification



Our versatile stacking doors are **RC2** certified as standard.

- ≡ Door panel height: 500 mm
- ≡ Reinforcement through integrated intermediate profiles on panoramic door panels
- ≡ Defined minimum distance between the door and the door control system
- ≡ **RC2 certification** according to DIN/TS 18194

RC3 certification



For customers with higher security demands, the stacking door with **RC3** certification is available.

- ≡ Door panel height: 500 mm
- ≡ Reinforcement through integrated intermediate profiles on all door panels
= Functional separation at 250 mm
- ≡ Electromechanical or mechanical bolt locks as anti-lift protection
- ≡ Guide rail reinforcement
- ≡ **RC3 certification** according to DIN/TS 18194

RC4 certification

RC4-certified doors offer a particularly high level of burglary protection, which was developed against experienced offenders.

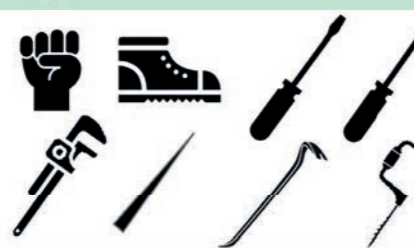
- ≡ Door panel height: 1,000 mm
- ≡ Additional reinforcements of the filling corners and further reinforcements in the door panel filling (e.g. with polycarbonate)
- ≡ Application: High-security areas such as industrial or commercial facilities with increased protection requirements
- ≡ **RC4 certification** according to DIN/TS 18194

HT180
HT180 Hybrid
RC4

3:00 MIN **RC2**



5:00 MIN **RC3**



10:00 MIN **RC4**



NEW
RC2- & RC3- CERTIFIED
SIDE ENTRANCE DOOR

Optimum safety & security For user & operator

Anti-drop device



The low-maintenance anti-drop device, which is integrated into the guide rails and therefore protected on all sides, reliably catches any uncontrolled closing movement of the SPACELITE door panels. This process means that no components are damaged and the TÜV-certified anti-drop device can be used again immediately after the door has been repaired and a professional function test has been carried out. It is easy to install and is therefore also ideal for retrofitting to doors of all makes without fall protection. Safety rails also prevent the door elements from falling in the parking area on the stacking bracket.

Safety edge control

The reliable combination of optoelectronic closing safety edge and electromechanical overrun switches stops and reverses the door in any position during the closing process as soon as it encounters an obstacle. In addition, the door level can be protected without contact via a light barrier, a light grid or other sensors.

Minimizing the risk of injury

The solid guide rails made of thick-walled aluminium are closed on three sides for maximum safety. This virtually eliminates the risk of reaching into moving parts and the associated risk of crushing and injury. Furthermore, there is no risk of injury from protruding hinges, spiral cables or similar disruptive factors, as these components have been completely eliminated.

Overload protection

A unique, mechanical overload protection prevents damage to door components in the event of abnormal loads - such as collisions or improper handling - by immediately switching off the drive.

Extreme climate conditions

Temperature

The fibreglass door infill and the aluminium frame material exhibit almost identical thermal behaviour under extreme temperature conditions. This material combination is therefore ideally suited for safe use in all climate zones.

Wind load

Depending on the version, the SPACELITE is designed for wind loads of up to 3.3 kN/m² and therefore fulfils the requirements of EN 12424 up to wind load zone 4. The stable construction made of high-quality materials ensures maximum dimensional stability and functional reliability even under strong wind pressure. Therefore, the door is the perfect choice for exposed installation situations and industrial applications with increased demands on load-bearing capacity, durability and safety.

Butzbach solutions in their variety



High-speed doors ECOSPRINT® | NOVOSPRINT®

- Side opening for double speed and a significant increase in safety
- Up to 350,000 openings per year: Developed for the highest demands and frequency of use
- Pioneering in terms of service life, reliability and cost-effectiveness



Sliding doors HANGAR DOORS

- 100% reliability and operational safety
- Best lighting conditions thanks to the translucent fibreglass filling
- Customised project support from the initial design to after-sales service



Sectional doors SECTIOLITE®

- High opening speed, can be combined with other optional functions
- Best interior working conditions thanks to the translucent fibreglass filling
- Economical, safe and reliable



Sustainability at Butzbach Working together for the future

- Durable products with a long service life thanks to high quality
- Active recycling & reuse through 98 % raw material recycling
- Energy efficiency through energy-saving products
- Lower CO2 emissions through regional procurement and energy-saving machines
- Digital processes to save paper and to increase efficiency

More information can be found at www.butzbach.com.

Facts & versions Stacking doors SPACELITE®

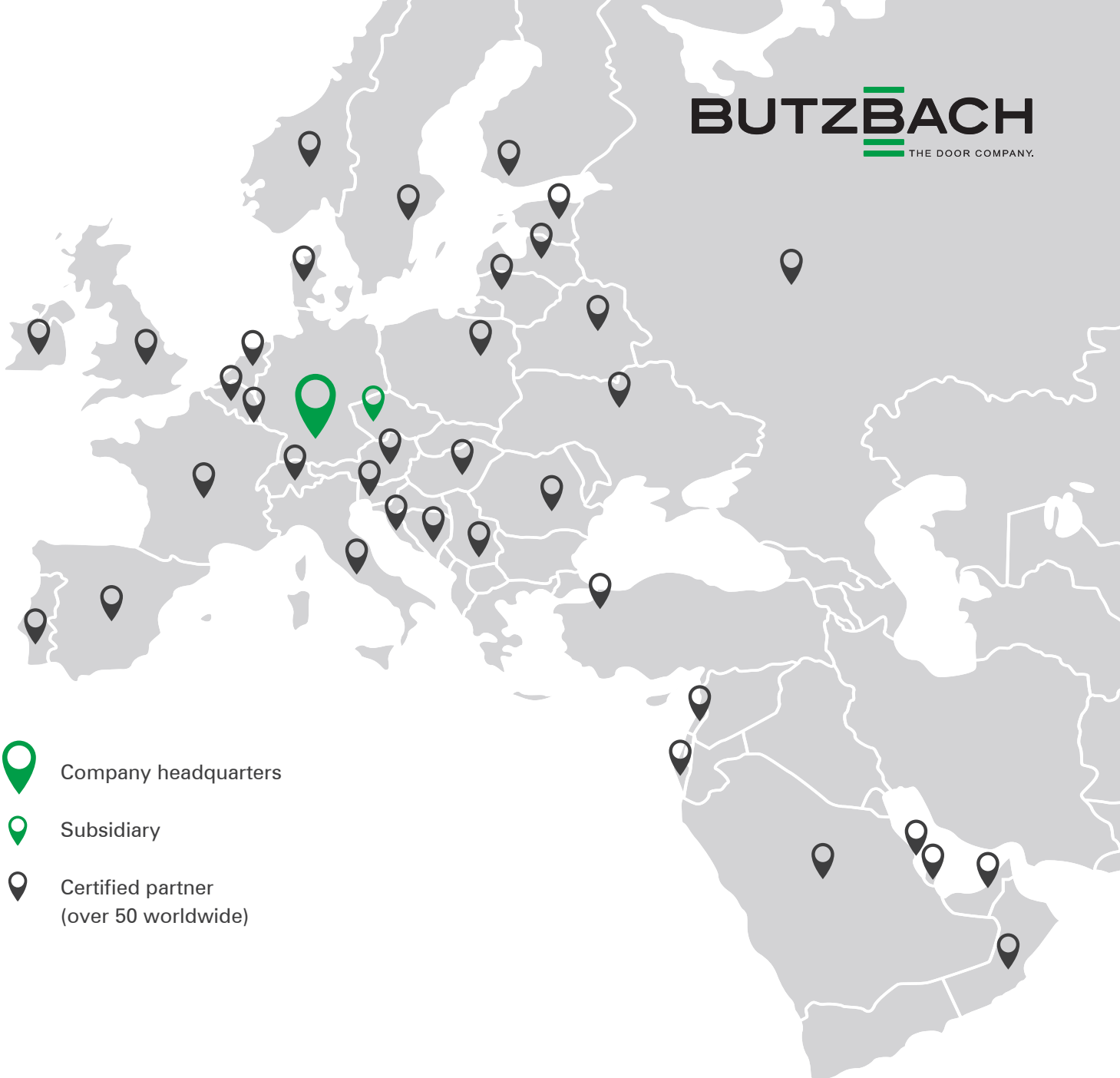
Feature / door type**		SPACELITE® HT40	SPACELITE® HTvision	SPACELITE® HT60/HT60XL	SPACELITE® HT80/HT80XL	SPACELITE® HT150/HT150XL
Doors size	Width min. / max. (clear opening width)	1.000 / 5.500 mm	1.000 / 5.500 mm	1.000 / 7.500 mm	2.000 / 10.000 mm	2.000 / 15.000 mm
	Height min. / max. (clear opening height)	1.000 / 8.920 mm	1.000 / 5.000 mm	1.000 / 13.000 mm	1.000 / 16.000 mm	2.000 / 16.000 mm
	Headroom requirement min.	700 mm	700 mm	750 / 1.250 mm	1.250 mm	1.360 mm
	Space requirement total depth min. / max.	620 / 1.540 mm	620 / 1.540 mm	1.015 / 1.850 mm	1.180 / 2.350 mm	1.720 / 3.100 mm
	Space requirement on operator side / non-operator side min.	130 / 130 mm	130 / 130 mm	200 / 200 mm	200 / 200 mm	380 / 380 mm
	Single door panel height approx.	500 mm	500 mm	500 (1.000) mm	1.000 mm	1.000 mm
Performance data	Designed for up to ... opening cycles per year	50.000	30.000	30.000	30.000	30.000
	Short-time operation: Up to ... Opening cycles / hour	30	10	10	10	10
	Opening speed max.	40 cm/s	25 cm/s	14 cm/s	14 cm/s	10 cm/s
	Operating forces/safe opening to EN 13241-1	Complied	Complied	Complied	Complied	Complied
	Watertightness to EN 12425	Class 2	Class 3	Class 3	Class 3	Class 3
	Resistance to wind load to EN 12424 up to	Class 5	Class 5	Class 5	Class 5	Class 5
	Sound insulation level acc. EN ISO 717-1 up to approx.	21 dB	21 dB	23 dB	26 dB	30 dB
	Thermal resistance Up to EN 12428 up to	0,65 W/m²K	0,6 W/m²K	1,1 W/m²K	1,1 W/m²K	0,83 W/m²K
	Air permeability to EN 12426 up to	Class 3	Class 3	Class 2	Class 2	Class 2
	Burglary resistance to DIN/TS 18194	RC2 / RC3	RC2	RC2 / RC3	RC2	RC2 / RC3
	Fire behaviour to DIN 4102-1	B2	-	B2	B2	B2
	Fire behaviour to DIN EN 13501-1	E	-	E	E	E
	Mains connection 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	3L / N / PE 400V 50 Hz	3L / N / PE 400V 50 Hz
Safety device	Integrated TÜV-certified anti-drop device	X	X	X	X	X
	Mechanical overload protection	X	X	X	X	X
	OSE as closing safety edge device	X	X	X	X	X
	Anti-lift protection	X	X	X	X	X
	Guide rail closed on three sides	X	X	X	X	X
	Light grid (in front) for contactless reversing	+	+	+	+	+
	Sensor solutions for opening and monitoring	+	+	+	+	+
	Optical or acoustic warning signals	+	+	+	+	+
Options	External installation	+	+	+	+	+
	Swivelling side section	+	+	+	+	+
	Swivelling side section with entrance door	+	+	+	+	+
	Movable mullion	+	+	+	+	+
	Combination with a high-speed door	+	+	+	+	-
	Suitable for wet room / damp room (car wash)	+	+	*	*	*
	Special solutions	*	*	*	*	*




X = Standard
+ = Optional
* = on request
- = Values are not available for this door type or have not yet been determined

Many safety devices and options can be combined with each other.

** Data for our SPACELITE HT180 & HT180 Hybrid stacking doors can be requested on a project-specific basis.

The specified values may vary depending on door size, application and equipment. We reserve the right to make changes and further technical developments.



-  Company headquarters
-  Subsidiary
-  Certified partner
(over 50 worldwide)

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BUTZBACH - THE DOOR COMPANY.®

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