

Door Solutions for Airports

BUTZBACH
MADE IN GERMANY



Made in Germany

Made in Germany

More than 60 years of experience and competence

German family-owned company with tradition and values

Approx. 500 employees

More than 40 distribution and service partners across the world

Bespoke solutions

All from a single source: Research - development - distribution -
production - assembly - service



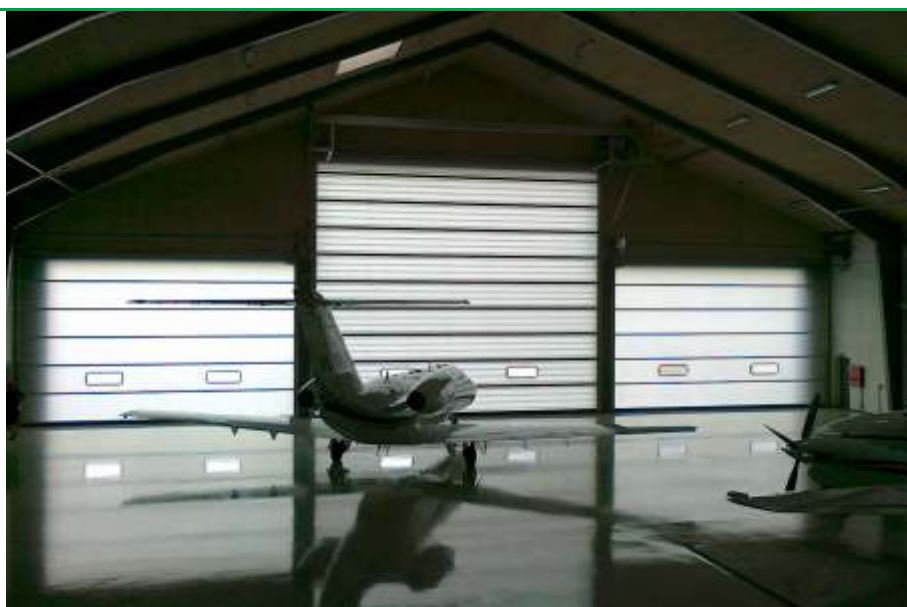
Sliding Doors **HANGAR DOOR**

Butzbach Hangar Doors can satisfy nearly all dimensional and functional requirements. Due to the numerous design options they can be perfectly adapted to each individual situation, be it a new construction or a renovation task, where the structural potential is often very limited.

Each single door is designed individually to assure its perfect adaptation even in case of uncommon installation situations. Butzbach manufactures sliding doors with freely moveable door leaves, telescopic sliding doors or around the corner sliding doors. Doors up to 400 metres wide or 45 metres high are not a problem for us. Technical equipment

such as tail doors, integrated barrier free pass doors and vehicle doors can be accommodated with ease. Our fibre glass panels with a translucence of up to 78 percent create bright and light-flooded working areas behind the door, reducing the need for artificial daytime lighting. On top of its superior qualities in stability, durability and robustness, this material features a high level of translucence, a total absence of radar reflections and a complete absorption of UV radiation.

More than 750 realised hangar doors in civil and military installations give proof of our competence and have made us the market leader in Europe.



Stacking Doors **SPACLITE HT 80 - 200**

The convenient solution for medium and small sized hangars, e.g. for business jets or helicopters: the Butzbach stacking doors SPACLITE HT achieve a height and a width of up to 25 meters. In this specific vertical opening technology the door panels are stacked in a safe and compact way behind each other inside the lintel. The door panels made from fibre glass with an outstanding thermal insulation value coming close to triple glazing lead to a very good energy balance. The fibreglass panels are available in the three colours Brilliant, Emerald-Green and Sapphire-Blue.

Especially in renovation tasks the structural and edificial possibilities are often very limited. Here SPACLITE can offer a special advantage: due to its

self-supporting construction requiring minimal space only very reduced loads are transmitted on the hangar itself. The "stacking" of the open door panels can be inside the lintel, or even outside with a special covering.

This technology deliberately does not use hinges, ropes and springs which are prone to interference in operation. This minimises the risk of breakdown, avoids maintenance expenses and prevents subsequent extra cost. The solid guide track grants maximum possible reliability and safety. Additional safety features like fall protection, safety edge or manual emergency operation are of course integrated.



Stacking Doors **SPACELITE HT 40 - 60**

Ideal for airport fire brigades, snowploughs or other airport vehicles: the Butzbach SPACELITE HT40 and 60 stacking doors are specifically adapted to the needs of vehicles and provide an opening width of up to 7.5 meters. As an alternative to fibre glass these types can be equipped with panorama door blades in acrylic glazing offering large-scale transparency and vision. On top the equipment with insulating mineral glass guarantees a further improvement of thermal insulation, a durable scratch resistance and a vision without any optical deformation.

When larger open widths are required, a moveable side track allows the utilization of the entire opening

width of several doors installed next to each other. In all its variations the SPACELITE stacking door series guarantees a superior resistance against wind loads and a reliable operation under all climatic conditions. Each Butzbach door is manufactured with millimetric accuracy. Additional accessories such as the "ISO option" with both an increased thermal insulation and a superior sun protection effect, or the "SPRINT option" with double opening speed offer a technical equipment according to each customer's needs.

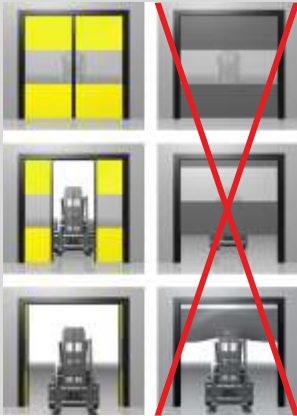


Sectional Doors **SPACELITE HTU**

The sectional door SPACELITE HTU is a perfectly adapted solution in case of a reduced lintel height from 350 mm or if a wicket door is needed in the vehicle door. In its SPRINT version an opening speed of up to 1 m/sec can be achieved! SPACELITE HTU combines the opening technology of a sectional door with the product and material-related advantages of the Butzbach-stacking door. The doorpanels made of translucent fibreglass are highly resistant and absorb elastically shock and impact energy. The construction is deliberately without components like overhanging hinges, torsion springs, steel ropes and

spiral cables that are susceptible to fault and intensive maintenance, thus reducing the risk of injury and the maintenance expenses.

The sectional door can be equipped with a pass door in the identical design. The threshold is less than 20 mm, reducing the risk of stumbling. In the climatic resistance the door achieves a high classification in air permeability, resistance against wind load and water tightness.

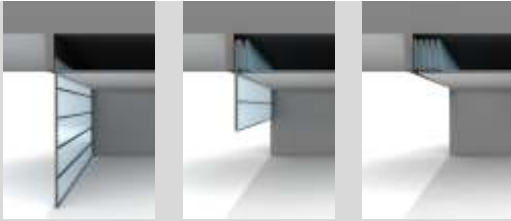


High-Speed Doors **NOVOSPRINT**

It's in particular in the luggage logistics and many other transport routes with a high passage frequency that employees have to be protected against noise, draught or cold. The Butzbach high-speed door NOVOSPRINT with an opening speed of up to 5 m/sec minimises the effect of heat loss and cold air infiltration and enables a faster and safer transport of goods. The exceptional horizontal opening technology offers first and foremost an improved security, both for the staff and for the door itself. The entire door height is available within fractions of a second, a collision with the door is virtually impossible. The unobstructed flow of traffic and material avoids waiting times, work interruptions or expensive repairs of the door.

Besides the cost effective single-walled door the optional twin-walled version is the choice if superior thermal or sound insulation is required. With a multitude of activators and sensors the high-speed opening can be adapted perfectly to each individual application.

In case of power-cuts the door can easily be opened manually, or - on demand - automatically. With this special equipment NOVOSPRINT can also be employed for escape ways and emergency routes.



Mobile Partition Walls

For the specific requirements in duty free shops, restaurants or shopping malls in airports Butzbach has developed the Mobile Partition Wall. The entire height and width of the shop front are made accessible during opening hours, no door sashes or other components obstruct the entrance. Upon opening the door panels made of fibre glass or mineral glass are concealed in a compact way in the suspended ceiling. In closed position, the Butzbach Mobile Partition Walls allow you to display your goods at any time in a most attractive way with wide glazed surfaces and slim profile elevations, enhancing the appearance of your business beyond opening hours.

Due to the electronic control it is easy to open and close by means of a control push button. In case of wide openings we offer a solution by installing a series of doors and utilising a sideward moveable track, so the entire entrance area can be opened, without vertical profiles or rails in the floor.

For an increased level of security, steel reinforced aluminium profiles and an anti-lifting device protect against attempted aggressions even with extreme force. The "non-burning" characteristics (German material class A1) assure improved protection in case of fire.



Façade Systems **VARIOPLANplus**

The infill of VARIOPLANplus is fibreglass, a composite material which is highly thermally insulating, light transmitting and radar reflection free. The possibility of combining a curtain wall with hangar or industrial doors made of the same material virtually opens up a new approach to the technical and visual design of an entire building skin. The consequent development of the material under consideration of the requirements for façades has led to a versatile system.

The high level of translucence of the fibreglass twin-walled panels allows light far into the interior of the room. The natural daylight disperses without glare and hard shadows uniformly in the room whilst

completely absorbing harmful UV-radiation. With its thermally broken aluminium profile system and the optimised thermal and acoustic insulation performance of the twin-walled fibreglass panels VARIOPLANplus is a sustainable, functional and esthetic solution.

Due to the low dead weight and the enormous rigidity of the fibreglass panels, unusual architectural solutions with extreme formats in vertical as well as in horizontal accentuation become possible. Combined with the three colours for fibreglass and the many options for aluminium profiles, this is the base for your individual freedom in the design of outstanding architectural solutions.





Our Enterprise

Breaking new grounds in technology and materials have characterized the success of the Butzbach group since the company was founded in 1953. Based to our comprehensive experience in development, construction, manufacturing and installation of industrial doors, hangar doors and façade systems our engineering skills have made of us a leading brand on the market.

Butzbach invented the laterally opening high speed door, developed the opening mechanism of the stacking door and was the first company worldwide to produce translucent fibreglass for door fillings.

The multitude of bespoke door solutions, which we develop for customer specific requirements, are the result of the creativity and the design know-how of our constructing engineers.

We are always on the search for a different - a better -solution for our customers. We thereby generate products that set themselves apart from those of our competitors in many details and have a unique position on the market.

As of today we have approximately 500 staff members at our production sites in Illertissen, Kellmünz and Unterroth, who stand for the quality of our products due to their competence and experience.

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