

AUTOMATIC SLIDING WALL SYSTEM STW



GILGEN
GILGEN DOOR SYSTEMS

CONVERTIBLE ROOM DESIGN



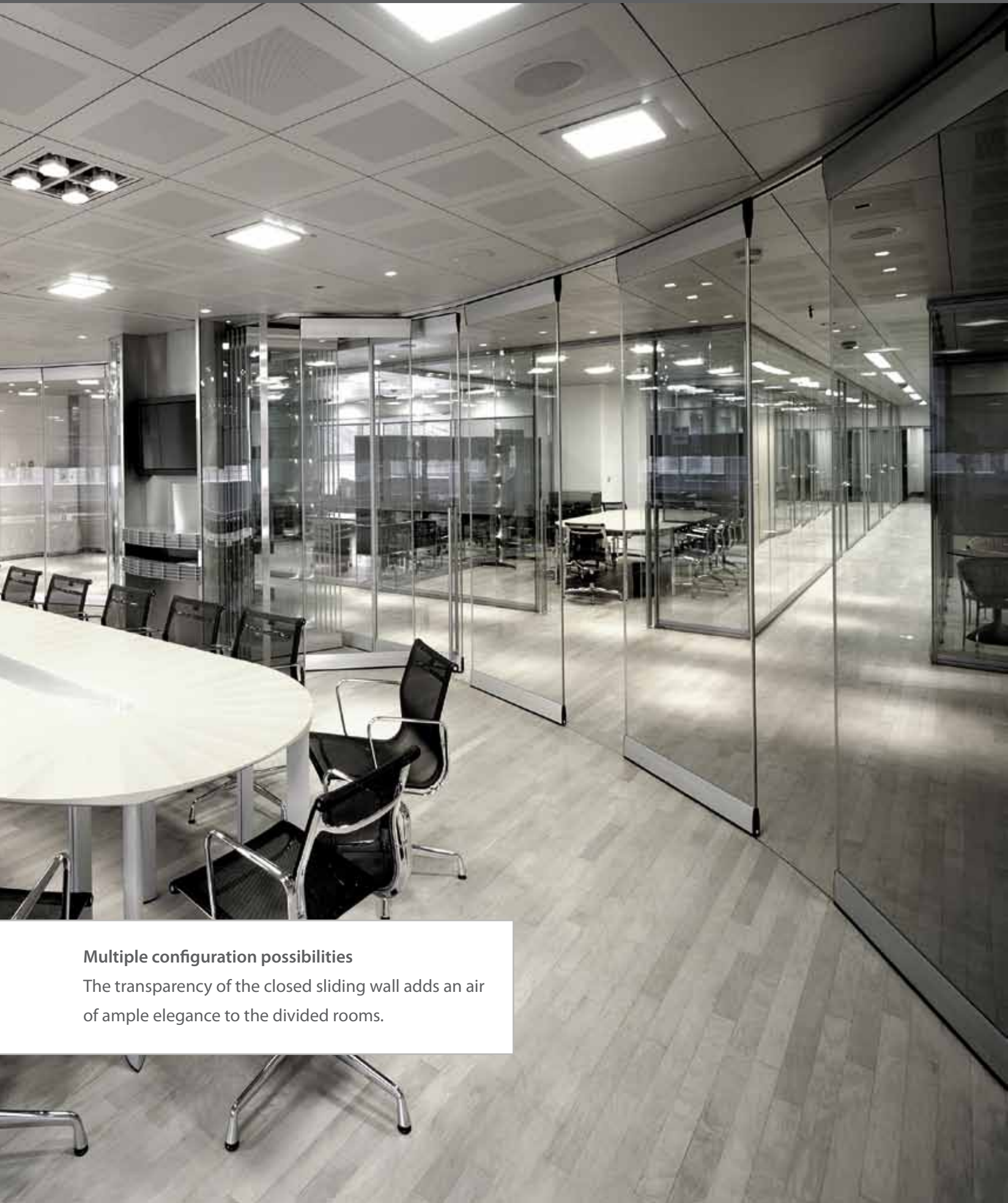
Maximum flexibility in room design

The Gilgen automatic sliding wall provides a simple, convenient way to divide open indoor areas.

AUTOMATIC SLIDING WALL

- 2 Convertible room design
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CREATIVE DESIGN



Multiple configuration possibilities

The transparency of the closed sliding wall adds an air of ample elegance to the divided rooms.

Synergy based on functionality and design

Gilgen Door Systems combine customised configuration possibilities with the functional needs of convenience and security.

Convertible room design

There is a constant growing demand for improved floor space usage. Showrooms, conference rooms, companies schools and hotels all require greater flexibility in the use of available space. The objective is to optimise the use of this space. The required room volume can now be configured at short notice at the push of a button.



Possible configurations

- angular
- curved
- straight
- with integrated sliding door
- with integrated swing door

INDIVIDUALITY EMPHASISED BY SHAPE, COLOUR AND MATERIAL CHOICE



Maximum freedom of design

Individual design possibilities for room partitioning

In the closed state, the shape of the sliding wall adapts itself to the required lines and contours of the selected room concept. Thanks to the modular concept of this technology, the leaves can be created according to customer requirements, to match the room design.



Angular, curved or straight sliding wall configurations with a wide range of stacking area methods and invisible automation elements ensure a smooth integration into the overall architectural concept. The Gilgen slim profile system requires minimum space.

The wide range of leaf materials, such as all glass, glass panel in profile system, wood, metal, etc., your selected concept can be systematically implemented down to the last detail. In addition, many different types of surface treatments and color shades

are available to guarantee a harmonious finish and integration into the surrounding architecture.

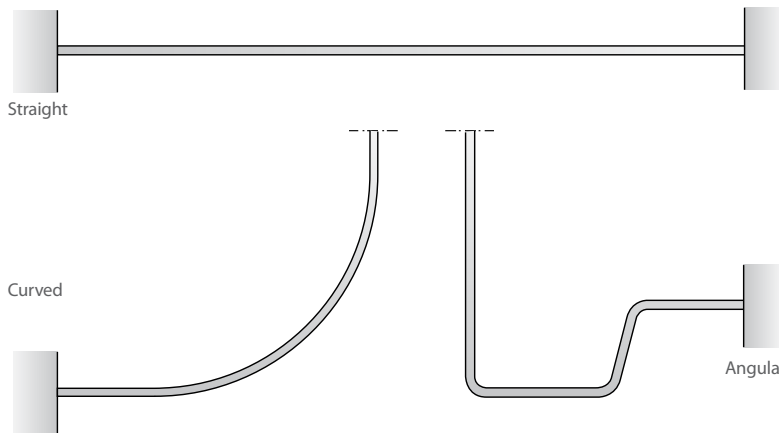
DESIGN AND FUNCTIONALITY



Flexible layout conception

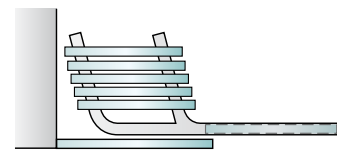
Examples

Sense of travel / travel distance

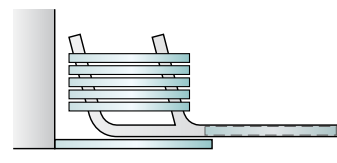


"Please contact us for further information on possible applications."

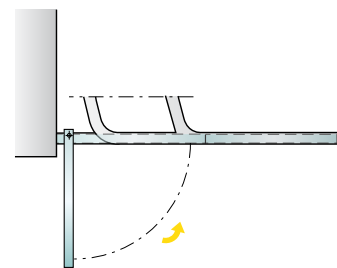
Parallel stacking area



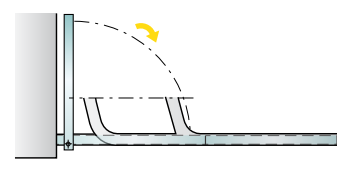
Type A



Type B*

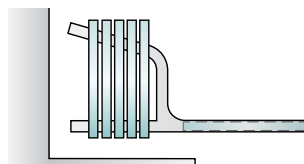


Type A and B with swing door

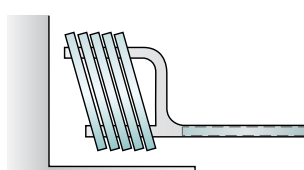


Type A and B with swing door

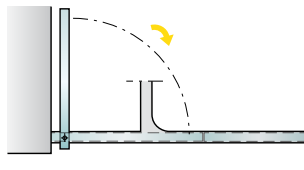
Stacking area 90°



Type D*



Type E



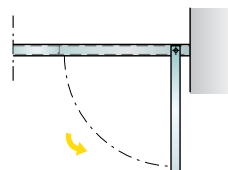
Type D and E with swing door

Wall mounting

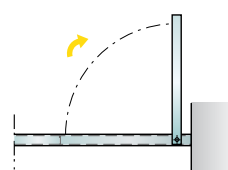
(Stacking area on opposite side)



with sliding door



with swing door



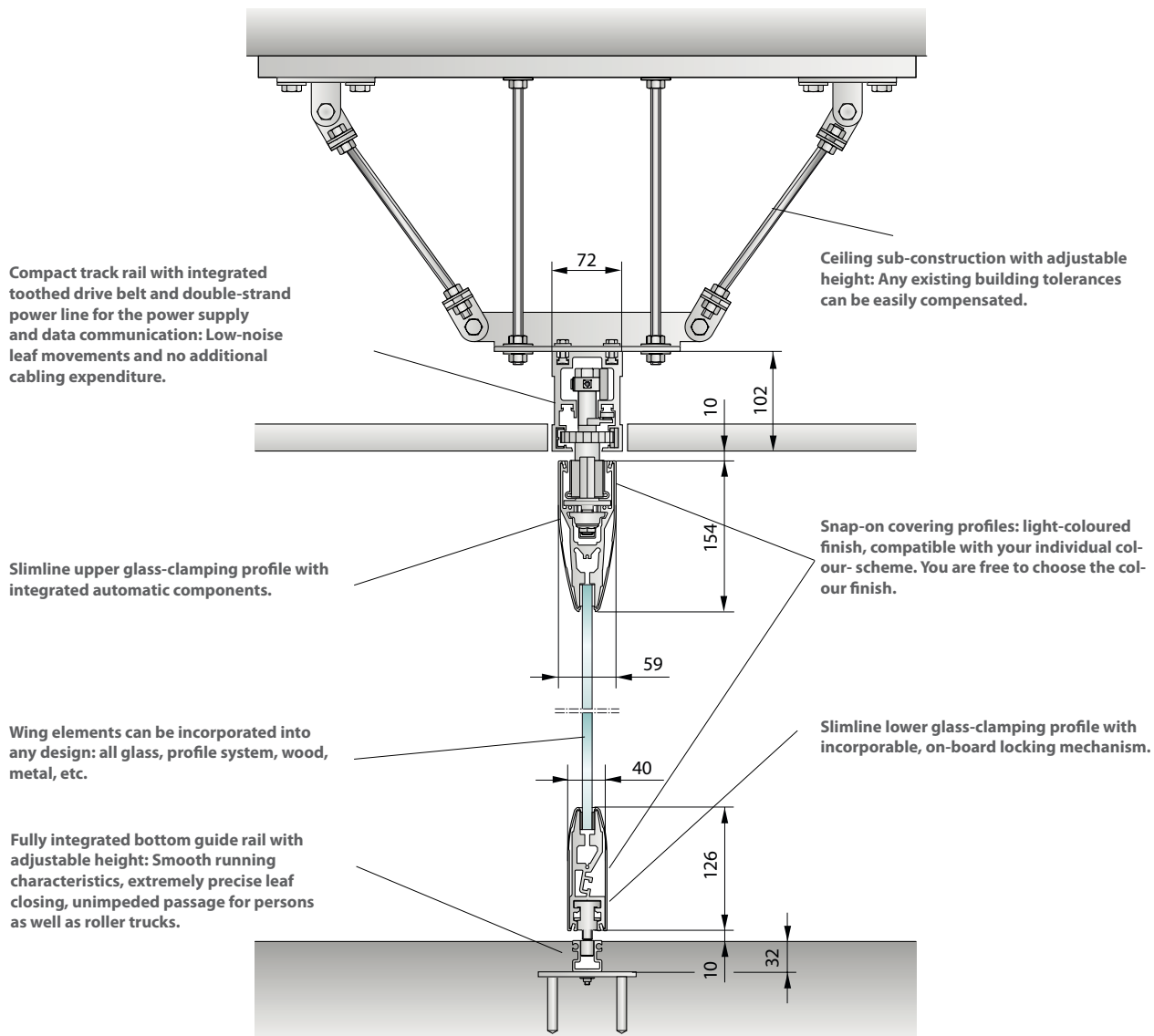
with swing door

*Solution for a maximum of 10 leaves

Modular system configuration, minimal fitting dimensions

Field of application

Mains power supply	230 V, 50/60 Hz
Number of leaves per control	max. 30 leaves
Length of track rail per control	max. 40 m
Leaf width	750 - 1500 mm
Leaf height	depending of leaf weight and leaf width max. 3600 mm
Leaf weight	max. 180 kg
Safety glass	ESG 10 / 12 mm, VSG TVG 10 / 12 mm, with frame profile up to 24 mm max.



System components

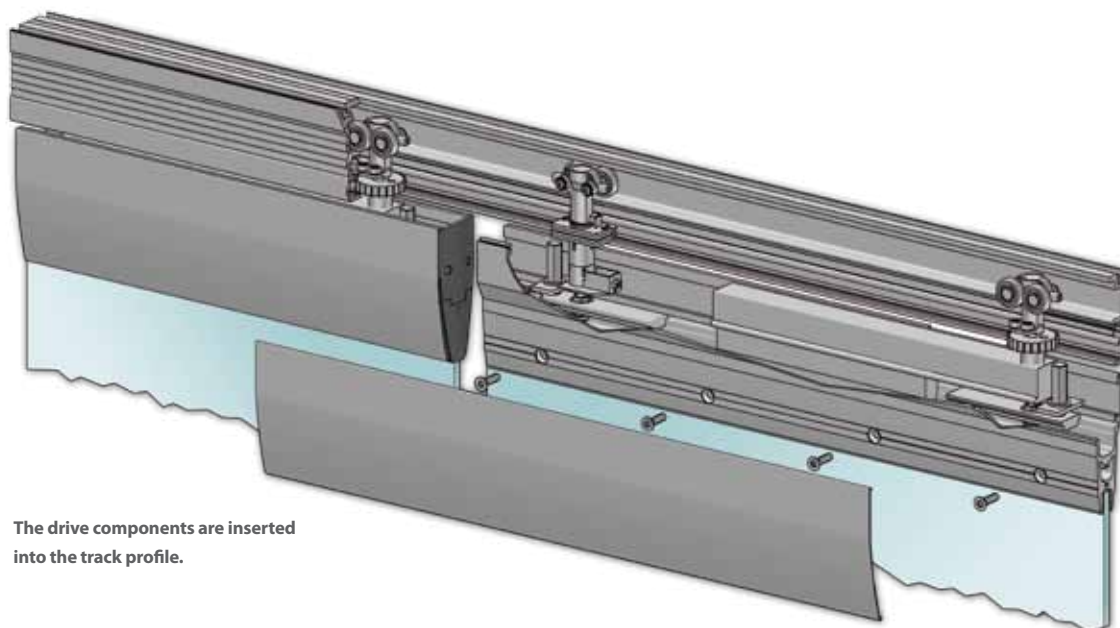
The Gilgen automatic sliding wall system STW consists of components designed for combination into a single overall system.

Invisible automation elements

Each leaf is equipped with two built-in high-precision traveling carriages, a power pick-up unit and a compact drive module.

Tried and tested clamping system

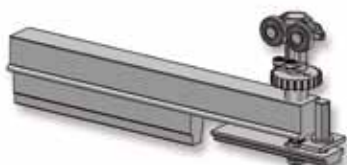
The glass is clamped into the upper and lower aluminium profiles. This permits faster, more flexible installation, increased operating reliability and greater flexibility with respect to leaf dimensions and their weights.



The drive components are inserted into the track profile.



The traveling carriage with the current pick-up trolley ensures the power supply and data communication with the central control unit.



The traveling carriage with integrated drive module guarantees smooth leaf movements and a precise positioning in the destination positions.



Optional embedded floor lock. A stud is inserted into the bottom guideway when activating the embedded floor lock.

USER-FRIENDLY AND SAFE



The Gilgen sliding wall provides style, comfort and high safety

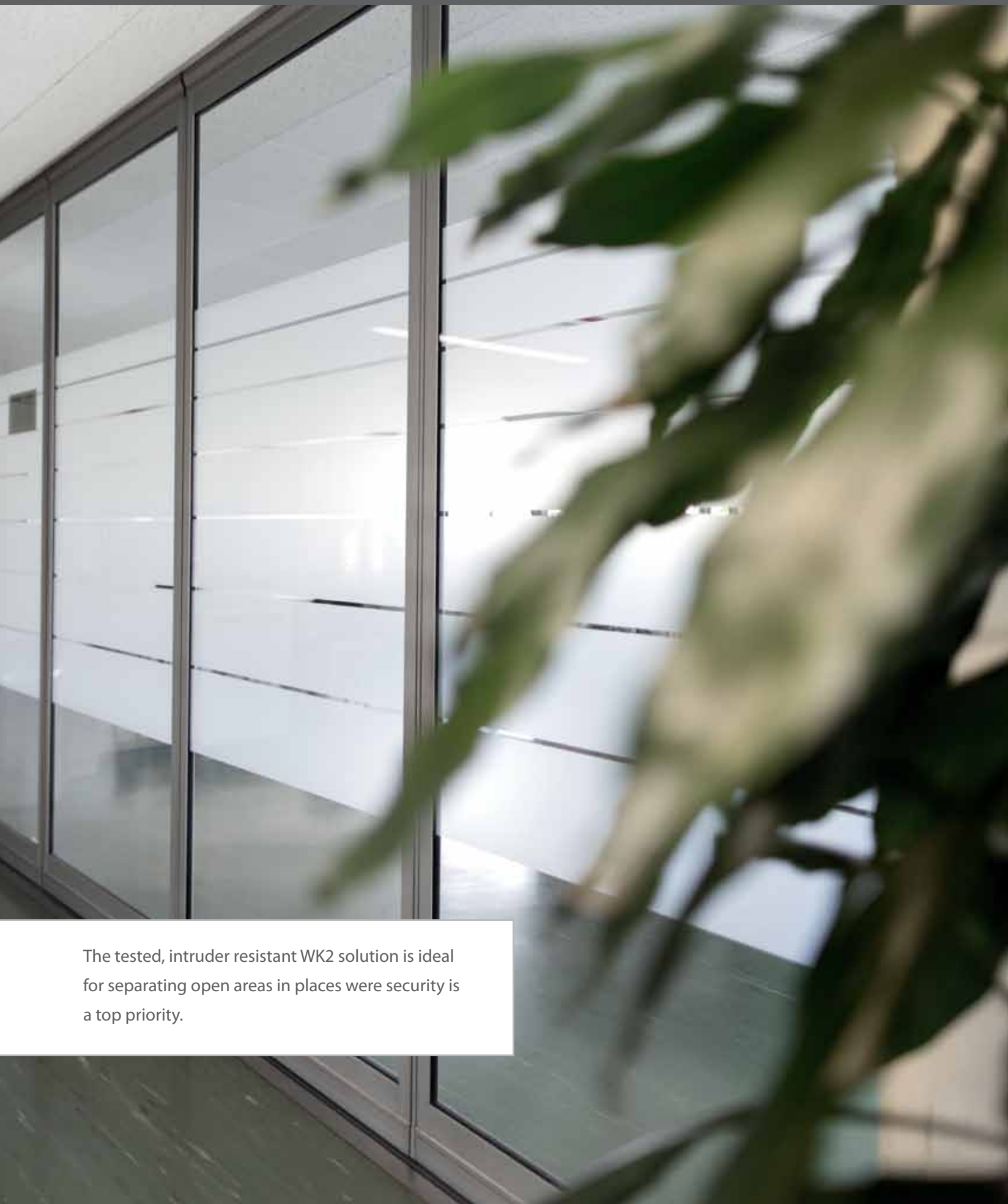
Optimum safety in every situation

Monitored operating sequences and a sensitive obstacle detection system (TÜV tested) guarantee maximum user safety.

The mechanism can be operated manually without difficulty in the event of a power failure.



WK2 CONFIGURATION



The tested, intruder resistant WK2 solution is ideal for separating open areas in places where security is a top priority.

Intruder resistant components including slimline design

The reinforced wing system, complete with safety glass, full-length bottom guideway and automatic locking mechanism, is designed to ensure efficient break-in prevention. The positive latching of the closed door leaves prevents unauthorised attempts to enter, while still giving the overall system an attractive look.

Tested in accordance with break-in resistance class 2 (WK-2)

The Gilgen STW automatic sliding wall system in its WK2 configuration has been tested to European standards.

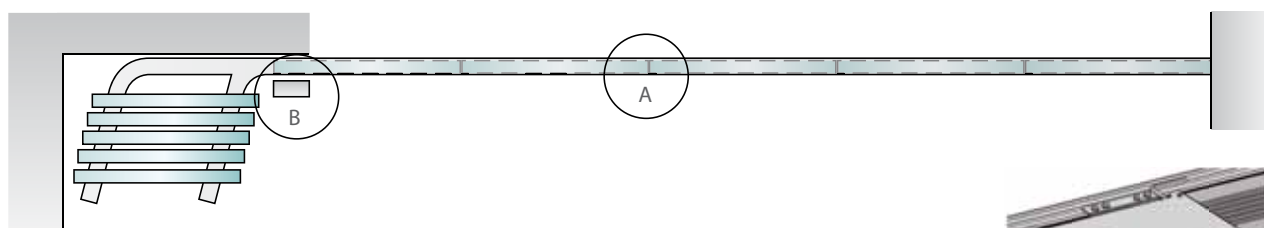
It successfully fulfils the requirements regarding static and dynamic stress loads, along with the break-in tests specified for the WK2 rating.

The automatic, German Association of Burglary Prevention (VdS)-tested locking mechanism can be connected, if desired, to the customer's own alarm system.



Field of application

Mains power supply	230 V, 50/60 Hz
Number of leaves per control	max. 15 leaves
Length of track rail per control	max. 22,5 m
Leaf width	750 - 1500 mm
Leaf height	depending of the leaf weight and leaf width max. 3600 mm
Leaf weight	max. 180 kg
Glass	P5A (DIN EN 356)



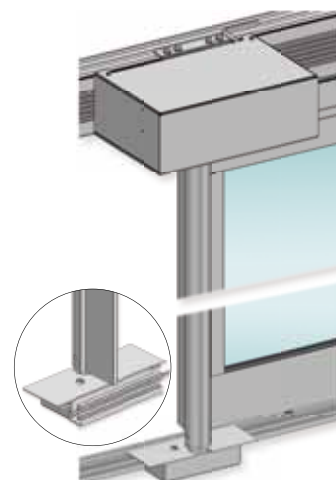
Detail A

In the closed position, the wings engage with each via a groove and comb.



Detail B

In the closed wall position, automatic locking of the final leaf.



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