

## ALUMINIUM FRAMES, FAÇADES AND SKYLIGHTS



### SCHÜCO ALUMINIUM DOOR SYSTEM ADS 70

The high quality door and window system with a great variety of solutions.

## SCHÜCO ALUMINIUM DOOR SYSTEM ADS 70

The new Schüco ADS door systems stands out for its excellent insulating characteristics and enormous possibilities of configuration that allow a custom design.

With the use of appropriate additional elements, Schüco doors are converted into multifunctional security doors for fire protection, increased security and better accessibility. They represent the highest quality and functionality.



- The new Schüco ADS door 70.HI combines high thermal insulation with the benefits of the Schüco ADS door system.
- The frame width of 70mm (2.76in) ensures a high stability.
- Optional fittings allow the use as a multi-function door integrated in building security and management system.
- The clear and timeless design is ideal for combining with Schüco façade and window systems.

This highly insulated door is the most suitable for improving the energy balance of the building, and thus achieving maximum freedom of planning.

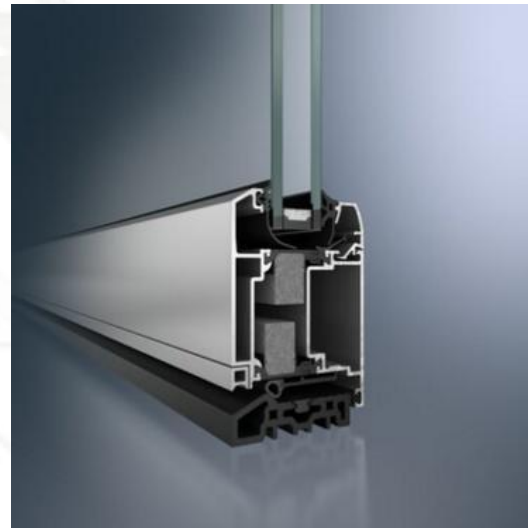
## SCHÜCO DOOR ADS 70

Schüco's ADS 70.HI offers a range of possibilities to suit design and functionality requirements:

- **Schüco ADS 70 SL.HI (Soft line)** - With rounded profile this series of doors provides an attractive design solution with softer lines.
- **Schüco ADS 70 RL.HI (Residential line)** - With its beveled outer profile, this series of doors is the first choice for renovation or to add visual emphasis to buildings in modernization projects.
- **Schüco ADS 70 HD (Heavy Duty)** - The Schüco ADS HD door system (Heavy Duty) is prepared to meet the most demanding requirements of large commercial projects and optimized for maximum and continuous structural loads.



Schüco ADS 70 HI



Schüco ADS 70 RL.HI (Residential Line)



Schüco ADS 70 SL.HI (Soft Line)



Schüco ADS 70 HD (Heavy Duty)

## SCHÜCO ADS 70

### ALUMINIUM DOOR SYSTEM SCHÜCO 70. HI

#### Product benefits

- Highly insulated door system.  $U_f$  value of  $1,89 \text{ W/m}^2\text{K}$ .
- Extended isolation area with foam filling.
- 147mm (5,79in) face width.
- Cylindrical hinge, fully adjustable in three dimensions.
- Wide range of frames, including the aluminum door systems Schüco ADS 70.
- Burglar resistant up to WK2 (as ADS 70 HD up to WK3).



## SCHÜCO DOOR ADS 70

The Schüco ADS HD (Heavy Duty) door system is geared towards the high requirements of large commercial projects and optimized for continuous and maximum structural loading. Schüco ADS HD, like the ADS system, can be combined with the Schüco AWS window system to give the complete building a coherent design. Clearance heights of up to 3000mm (118,1in) and leaf weights of up to 200Kg (440lb) offer ambitious design solutions.

The installation of Schüco doors is the ideal solution for high traffic frequency and large openings. Double-leaf full panic doors in WK2 are also possible in conjunction with Schüco door systems.



Schüco door ADS 70 HD



Schüco InterLock

The rigorous and complex requirements of developers and architects require comprehensive solutions. Schüco offers a wide range of lock options for the ADS HD (Heavy Duty) system, from the high-resistance, double-leaf door with emergency operation through to burglar-resistant front door in WK2.

## SCHÜCO DOOR ADS 70

### Schüco InterLock

- Double-leaf doors with full panic function in WK2 can be created in combination with Schüco door systems for the first time
- Automatic locking by simply closing the door leaf
- 3-point locking
- Ideally suited for combining with access control, side-hung door motor or for use in easy access construction
- Acoustic opening signal.
- Stainless steel meeting stile/ strike plate

### Schüco SafeMatic

- Automatic locking by simply closing the door leaf
- 5-point locking: high-quality solution for luxury house building
- Ideally suited for combining with access control, side-hung door motor or for use in easy access construction
- Acoustic opening signal
- Stainless steel meeting stile/ strike plate



Schüco InterLock



Schüco SafeMatic

## SCHÜCO DOOR ADS 70

All the mechanics for secure fixing and for fine adjustment are contained in the rebate and leaf frame. With Schüco HD barrel hinges, for the first time it is possible to use leaf weights that were otherwise only possible with robust surface-mounted hinges. The height of the door leaf can be adjusted by  $\pm 4$  mm (0,16in) the lateral adjustment of the vent frame to the outer frame can be up to 1.5 mm (0.06in).

### Features and benefits

- Tested by an accredited test center in up to 1 million tests in accordance with DIN EN 112400.
- High load transfers possible with patented anchor for fixing to outward-opening doors
- Maximum leaf weight 200 kg, (440lb)
- Reliable and accurate adjustment of the gap on angled surfaces.
- Tested in 1,000,000 cycles for continuous loading



Cylindrical hinges for Schüco ADS HD

### ALUMINIUM DOOR SYSTEM SCHÜCO ADS 70. HD

#### Product benefits

- Optimized for large commercial projects.
- Thermal insulation value:  $U_w 2,21$  W/m<sup>2</sup>K (Schüco ADS 75 HD.HI).
- Leaf height up to 3.000 mm (118 in).
- Ready for heavy weights. Maximum leaf weight of 200 Kg (440 lb).
- New cylindrical hinges, tested with constant loads during 1.000.000 cycles.
- Hinges mechanical requirements in accordance with DIN EN 1035 class 14 (superior class).
- Depths of 65 (2.6), 70 (2.8) and 75 (3) mm (in). Complete locking system up to SafeMatic.
- Burglar protection up to WK3.
- Panic fitting available
- Compatible with Schuco window system AWS.

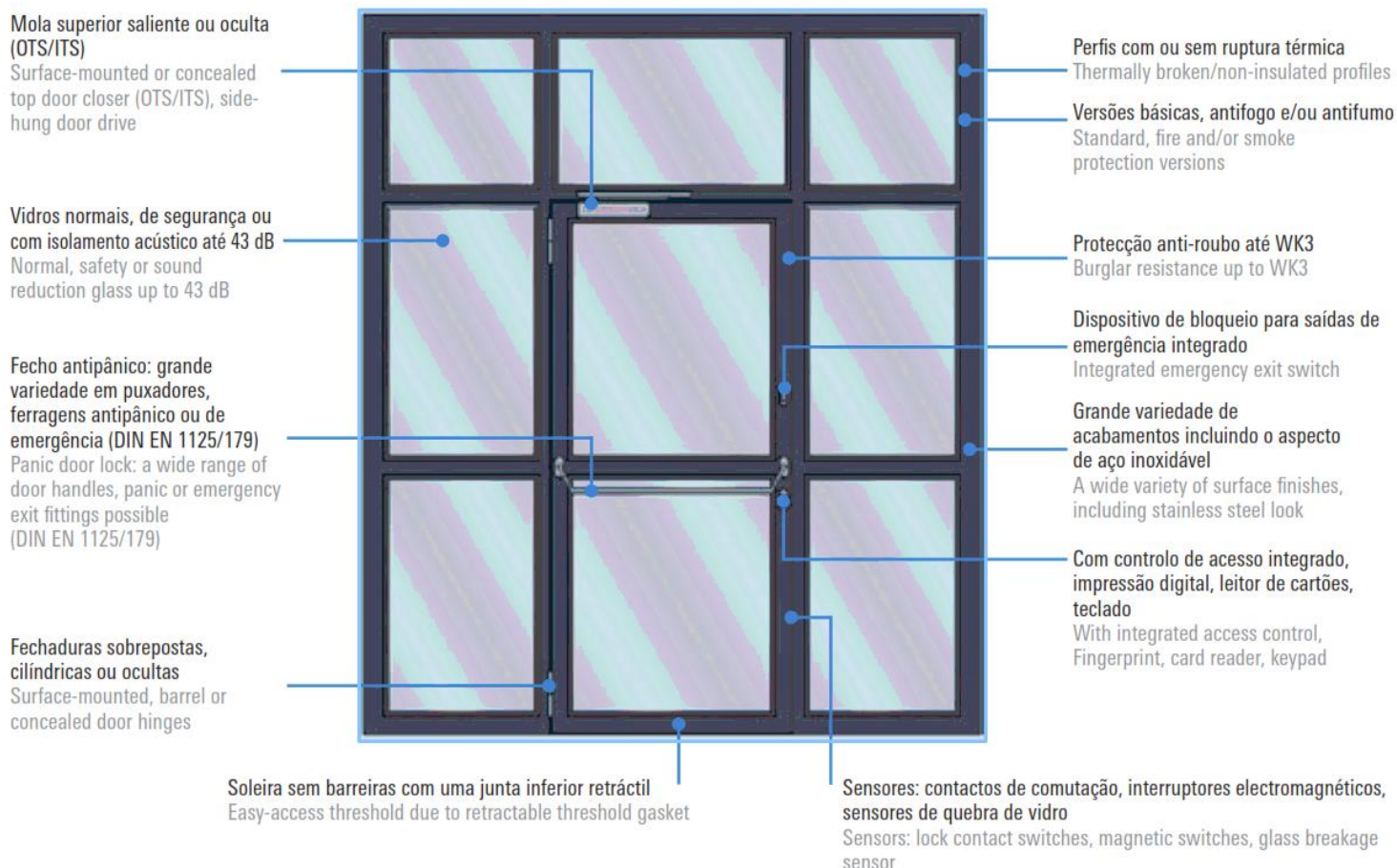
## SCHÜCO MULTI-PURPOSE SECURITY DOORS

The use of Schüco standard components perfectly tailored to each other allows the implementation of rapid, functional solutions for door systems.

Tested system technology provides a variety of options for designing and selecting the required functions.

### Standard multi-purpose doors

Multi-purpose doors satisfy a number of requirements simultaneously. A standard door can be equipped in full or in part with several functions, e. g. access control and emergency functions.





## SCHÜCO MULTI-PURPOSED SECURITY DOORS

### Escape route technology and panic fittings

Schüco offers an attractively designed integrated emergency door lock in close proximity to the emergency fitting to allow fast and secure exit from rooms in an emergency.

### Features and benefits

- Profile-integrated emergency switch in direct proximity to emergency fitting.
- Jambs do not restrict access width.
- Can be integrated with a networked building management system
- Tested in accordance with DIN 18273 and with EltVTR approval



### Access control and door management systems

- Network-enabled, profile-integrated or surface-mounted system solution.
- Options: fingerprint, transponder or AccessCard.
- Additional function, e.g. alarm triggering
- Connection of card reader and keypad.
- Freely configurable inputs and outputs for connection to the building management system.
- Stand-alone or network operation possible.



## SCHÜCO MULTI-PURPOSED SECURITY DOORS

A door is doesn't only allow access to a building or house, just like any other element of the building, it must satisfy all the insulation, security functionality and design requirements.

The new Schüco ADS door systems were developed specifically to fulfill these demands. They offer an excellent insulation ability and, thanks to their vast number of products, versatile solutions for security and building automation. Furthermore, their timeless design can be incorporated perfectly with the Schüco AWS window system.

