



GSW Office Door

Doors are an integral part of GSW Office system walls. Like the entire system, they stand out thanks to their excellent aesthetic appearance and their good acoustic-insulation characteristics.

The door leaf, made of tempered glass, is fixed to an aluminium frame set in the wall. Doors of this type are, as a standard, fitted with a lock and a door handle.

System includes optional solutions like automatic drop-down seal that ensures even better sound-insulation performance, and electric strike release that allows creation of the access control system.

Specification

Durability	Class 6 (200 000 cycles)
Type of glass	ESG 8, 10
Max. door leaf height (mm)	2600*
Max. door leaf width (mm)	1000
Acoustic insulation	R_w max 31 dB / R_{A1} max 30 dB**
Material / finish	Anodized aluminium / RAL aluminium

* above 2200 mm it is recommended to use 3 hinges

** if an automatic drop-down seal is used

WSS Atelier hinge*

WSS Studio lock*

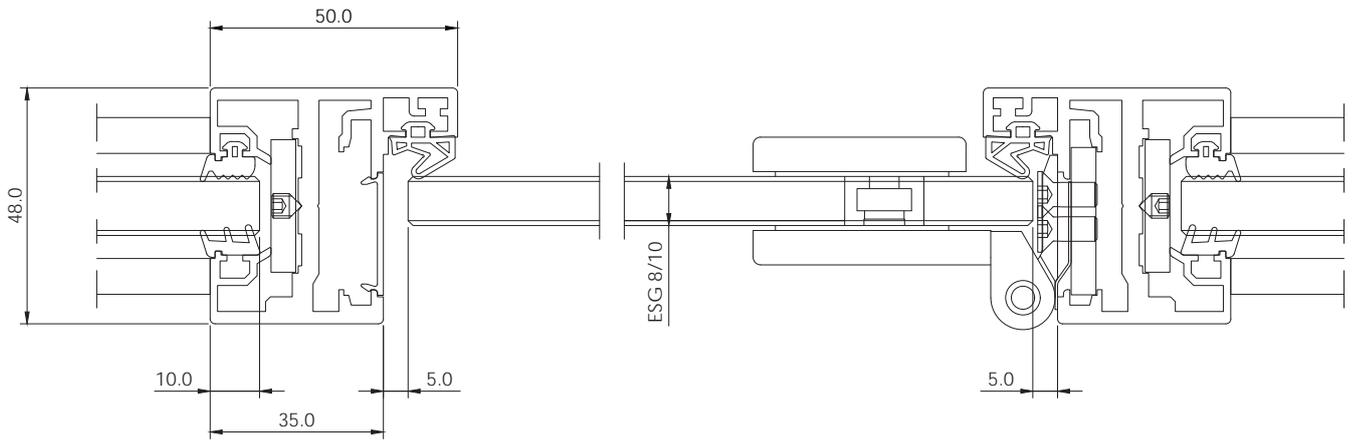
* fittings



More Glass System door solutions in the GSW Office Door catalog.

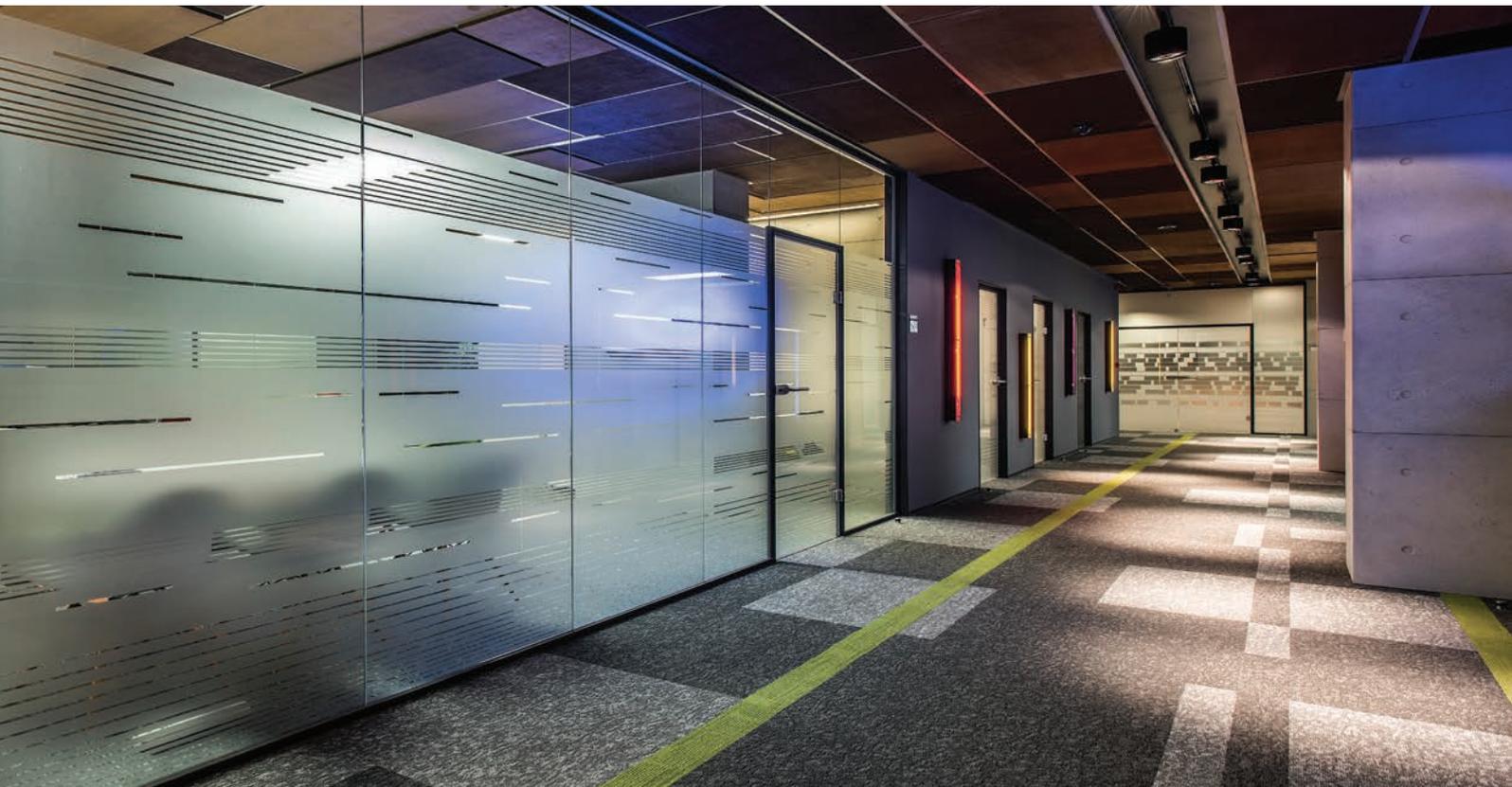


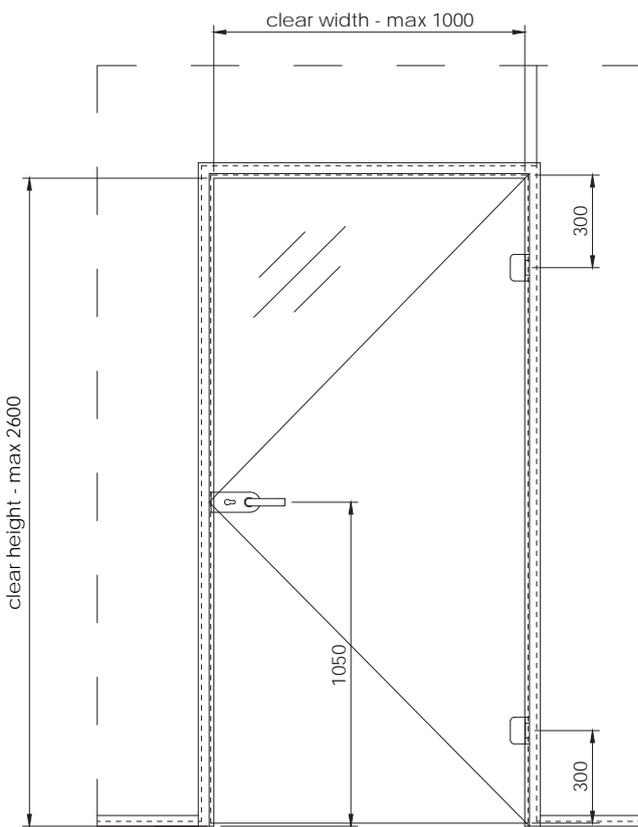
(available in Q1 2018)



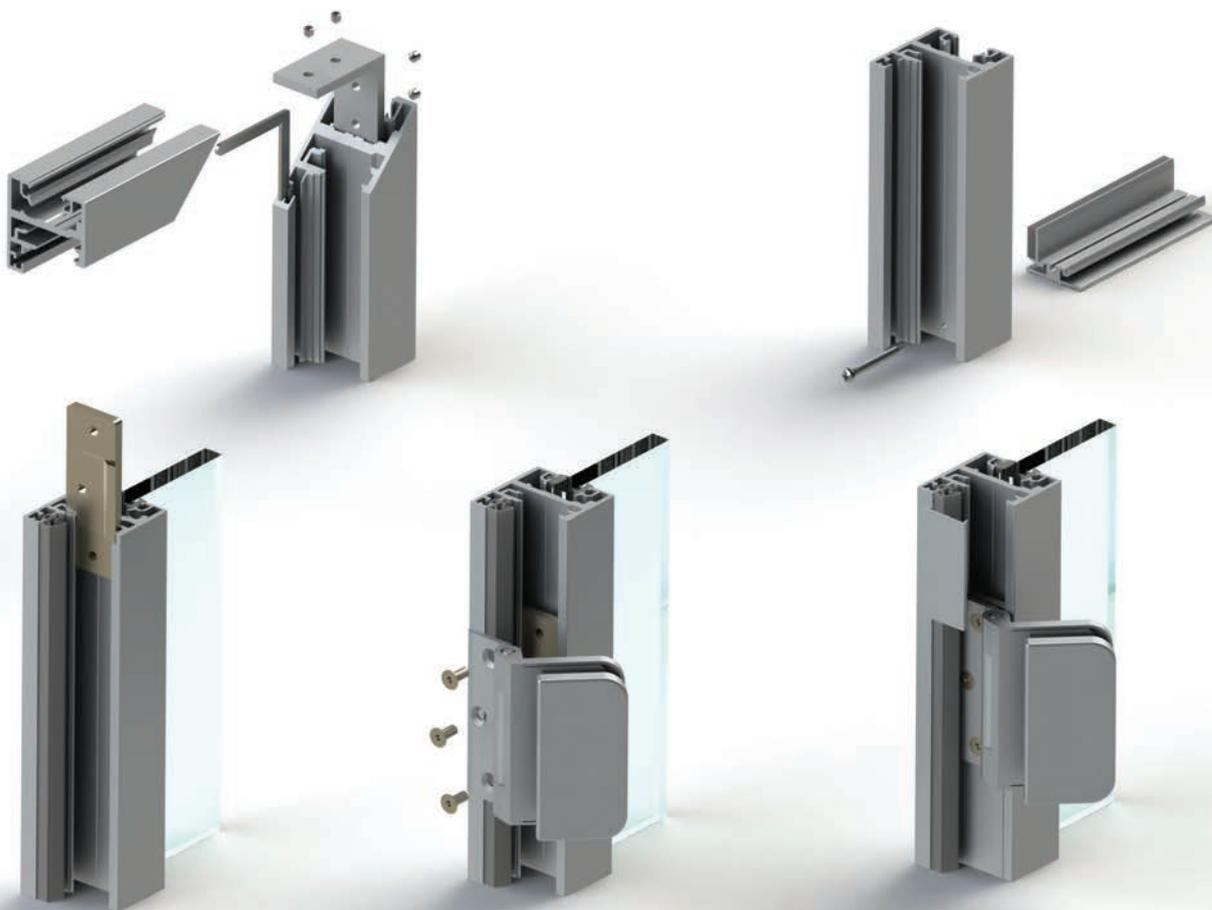
Product features

- ✓ the frame profile's dimensions and finish match the basic mounting profile in the GSW Office system,
- ✓ installation in a fully glazed structure or directly in a wall,
- ✓ symmetrical structure: for left- and right-handed doors,
- ✓ EasyFix - convenient way of fastening the hinges and the lock's strike plate: no need for prefabrication of profiles thanks to sliding installation elements,
- ✓ many possible configurations: doors can be additionally fitted with electric strike release, surface-mounted automatic door closers and/or drop-down seal.





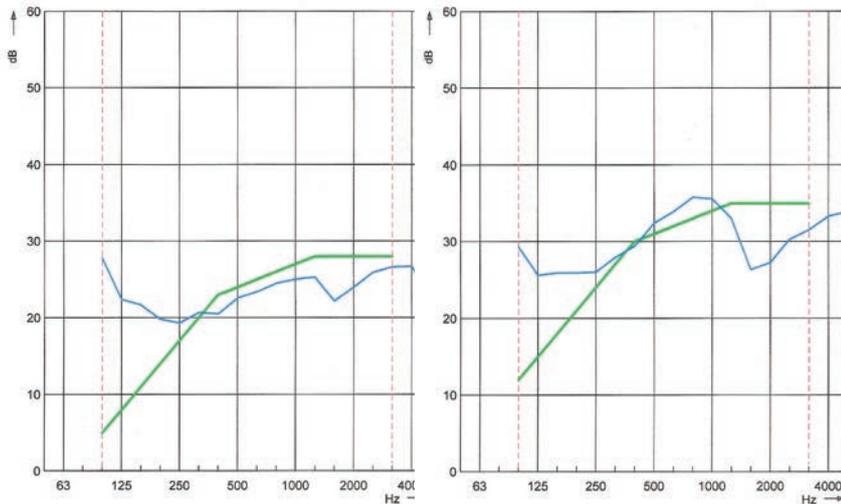
Installation details





Acoustic tests

The doors, similarly to the GSW Office system walls, have been subjected to tests determining the degree of acoustic insulation. The tests included doors with and without drop-down seal. The results confirmed the meeting of specific requirements determined in the Polish standards.



Doors without drop-down seal:
 $R_{W}(C;C_{tr}) = 24 (0; -1) \text{ dB}$

Doors with drop-down seal:
 $R_{W}(C;C_{tr}) = 31 (-1; -1) \text{ dB}$



Safety tests

Quality and strength tests have particular importance for doors. Due to this fact, our doors were tested by the Building Research Institute, among which the most important, based on their functionality, is the test of mechanical strength carried out on the basis of the standard EN 12400:2004. Obtained results indicate the possibility to install the GSW Office doors in places of frequent use.

Class	Conditions of use	Number of cycles
0	-	-
1	occasional	5 000
2	light	10 000
3	infrequent	20 000
4	moderate	50 000
5	normal	100 000
6	frequent	200 000
7	heavy	500 000
8	very heavy	1 000 000

Classification in accordance with EN 12400:2002



GSW Office Fittings

GSW Office system is designed to be used with fittings manufactured by German company Wilh. Schlechtendahl & Söhne (WSS). Their use ensures maintenance of the highest aesthetic, functional and strength parameters of the whole structure.

Apart from the tests of complete doors in GSW systems, the locks and hinges are additionally tested in a manufacturer's laboratory, and the obtained results confirm their above-average reliability and durability.

Specification

Durability (DIN 18251)	Class 4 (1 000 000 cycles)
Corrosion resistance (DIN EN 1670)	Class 4
Type of glass	ESG 8, 10
Material / finish	Anodized aluminium / RAL aluminium

Door fittings



Locks



WSS Studio UV



WSS Studio PZ



WSS Studio WC



WSS Studio PZ/W

Door handles



WSS type C round



WSS type C flat



WSS type L mitred

Hinge



WSS Atelier

More fittings and information in WSS catalogues





Door closer



GSW Office doors can be further configured with optional accessories. The most common addition for the doors are the door closers.

GSW Office system has been designed to work with GEZE's door closer type TS 3000 V.



Electric strike release



One of the most important elements of modern office equipment is the access control system for individual rooms. In this case an electric strike release is mounted in the door frame and cooperates with a lock with fixed knob on a door leaf.

GSW Office system is intended to use with electric strike releases of the following types:

- /// effeff series 118/138 Profix2
- /// GEZE A4000/A4300 Kingfix

Drop-down seal



In order to ensure adequate acoustic insulation, the door must be fitted with a drop-down seal, which automatically seals when closing the door.

Use of a drop-down seal in a full-glass door improves the R_w acoustic insulation parameter by even 7 dB, which was proven during the tests.

The GSW Office system's drop-down seal is the KG-S model of the Swiss company Planet.





GSW Office Panel

GSW Office Panel is a vertical element of the glass wall designed to provide the necessary installations such as light switches, air conditioning controllers, access control

readers, etc. Construction solutions and visual features are consistent with all other GSW Office products.

