Product news

Schüco AWS 75 PD.SI

SCHÜCO

The AWS 75 PD.SI Panorama Design window

Alongside energy efficiency, the seamless integration of form and function is nowadays a fundamental requirement when creating modern building envelopes. With the new Schüco AWS 75 PD.SI Panorama Design window, Schüco now offers an opening unit with minimal internal and external face widths that perfectly meets all of these architectural requirements. It is based on system features which are perfectly tailored to one another: a flush-fitted appearance of the inner vent profiles and minimised gasket sight lines, maximum transparency due the most slimline external and internal face widths. Concealed drainage and a clean language of design thanks to narrow profile radii complete the pioneering Schüco AWS 75 PD.SI window system.

We support you – every step of the way

Training

We have developed a training course for you so you can get to grips with how to fabricate the Schüco AWS 75 PD.SI Panorama Design window system.

- Training for bonded glazing systems (ift guidelines VE 08/04)
- Initial one-day training course for employees responsible for glass bonding:
  - Product and fitting
  - Glass selection
  - Processing the vent profiles
  - Alignment of the bonding partners
  - Glazing/blocking/glass retention
  - Sealing and installation of isolator
  - Sealing and compatibility
  - Production control

You can find more information about registering for a course as well as an overview of dates under “My Workplace”.

Planning

SchüCal:
SchüCal is the time and cost-saving calculation software for processing quotations and orders as well as for job planning for Schüco window, door and façade systems. With SchüCal, all calculation and fabrication steps can be completed to the customary high Schüco standard.

For drawing details to aid planning, visit:
https://www.bimobject.com/schueco

Ordering

Schüco Docu Center:
The order and fabrication documentation for the window and fittings system can be found in order and fabrication manual 1-1E “Schüco Panorama Design window system”.
www.schueco.de/docucenter

Our highly skilled employees are happy to help you with any questions about your order.

The new features at a glance

Panoramic design

- Slimline, minimised profile face widths turn Schüco Panorama Design into an attractive design highlight with optimum views.

Flush finish

- Stylish profile geometry: inner flush finish thanks to all-round shadow gap

Design handle

- Schüco handle design without rosettes to accentuate the particularly narrow vent profiles (as a lockable version too).

Push-in gearbox

- Stylish push-in gearbox for increased handle spacing.

Variety

- Can be used as a punched opening, ribbon window and façade insert unit in Schüco aluminium mullion/transom façades as well as Schüco AWS 75 PD VV.SI ventilation vents.

Fabrication

- Simple, reliable and economical glass bonding with adhesive tape without waiting times.
- Robust and highly attractive corner construction with stainless steel glass carrier and one-part corner piece.

Fabrication

For accurate and precise bonding of the vent, a newly developed glazing frame is available with positioning devices and a pneumatics set.

The new glass pressure roller is used to press the glass pane uniformly onto the adhesive tape.

The fabrication aids can be found in the latest order documents and the detailed fabrication documentation.

For any questions about the workshop and fabrication, please contact our Area Sales Manager, the Machine Technology department, our trainers or Technical Customer Services.

Installation

As a planning aid, there is a variety of drawing objects and standard details available for you to download from Docu Center (e.g. CAD library).

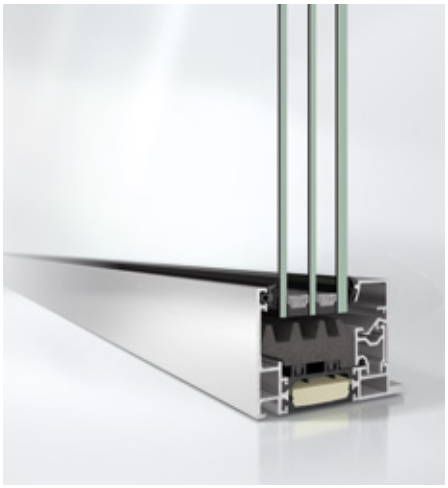
CAD library:
Standard details for construction as well as the project work can be found under: Schüco aluminium systems | Window and door systems | CAD library | Basic depth 75 mm

Marketing and sales support

- Images for your own advertising
- Videos for your showroom
- Brochures for passing on to your customers

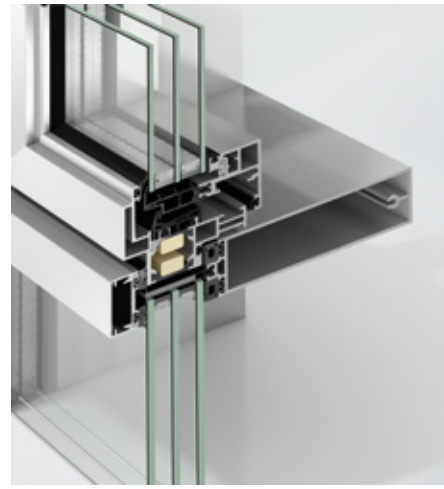
For more supporting material, visit **www.schueco.de/cmc** in the Partner Campaign area.

Installation options



Schüco Window AWS 75 PD.SI as fixed light

Schüco Window AWS 75 PD.SI as opening unit



Schüco Window AWS 75 PD.SI as insert unit

Technical data

Properties	
Dimensions	
Basic depth of outer frame	85 mm
Basic depth of vent frame	85 mm
Maximum vent sizes	Max. 1450 mm x 2100 mm / 1000 mm x 2500 mm
Weights	Up to 160 kg
Glass thicknesses	26 mm to 50 mm
Tests and standards	
Thermal insulation in accordance with DIN EN ISO 10077-2	U_f = 1.7 W/(m²K) (U_w = 0.9 for Ug = 0.6)
Sound insulation in accordance with DIN EN ISO 140-3**	$R_{w,p}$ to 49 dB
Burglar resistance in accordance with DIN EN 1627 (DIN V ENV 1627)	Class RC 2 N/RC 2
Air permeability in accordance with DIN EN 12207	Class 4
Weathertightness in accordance with DIN EN 12208	Class 9A
Wind load resistance in accordance with DIN EN 12210*	Class C5/B5

* The amount of deflection will depend on the glass and the profile

Sound reduction				
Weighted sound reduction index R_w ($C;C_{tr}$) from the glass	**Number of panes**	**Glazing**		**R_w value of the window**
36 (-1;-5) dB	2	26 mm	6 / 16 argon / 4	36 dB
38 (-2;-6) dB	2	26 mm	8 / 14 argon / 4	37 dB
40 (-1;-3) dB	2	38 mm	12 / 16 argon / 10	40 dB
45 (-2;-6) dB	2	38 mm	12 LSG / 16 argon / 10	46 dB
49 (-3;-7) dB	2	36.2 mm	12.1 LSG / 16 argon / 8.1 LSG	46 dB
43 (-2;-7) dB	2	34 mm	6 / 20 argon / 8 LSG	40 dB
37 (-2;-6) dB	3	38 mm	6 / 12 argon / 4 / 12 argon / 4	37 dB
42 (-1;-5) dB	3	42 mm	6 / 12 argon / 4 / 12 argon / 8 LSG	41 dB
46 (-2;-6) dB	3	48 mm	10 / 12 argon / 6 / 12 argon / 8 LSG	43 dB
50 (-2;-6) dB	3	50 mm	8 LSG / 12 argon / 6 / 12 argon / 12 LSG	49 dB

Notes

LSG = Laminated safety glass

By specifying the spectrum adaptation values C and C_{tr}, the correlation between the singular values derived from the measurement values and the perceived level of sound insulation are improved. To conform with DIN EN 14351, the insulating glass unit can be changed without testing the window again, provided that the insulating glass unit has at least same weighted sound reduction index R_w and $R_w + C_{tr}$ (data from tests in accordance with EN ISO 140-3 or generic data, see EN 12758 or EN 12354-3). This also applies to triple insulating glass.

Schüco International KG
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