



Schueco AWS 90 AC.SI

The open-silent window system

Schueco AWS 90 AC.SI

Natural window ventilation with simultaneous sound reduction



The Schüco AWS 90 AC.SI acoustic window is a single-skin window solution for natural ventilation with simultaneous sound reduction, which can be up to 34 dB depending on the design option. This new window can be used to provide natural ventilation, while keeping noise levels in the building low. Rooms such as bedrooms and children's rooms on the sides facing the street, can be naturally ventilated with this window system, without being disturbed by traffic noise

Natural window ventilation with sound reduction

The system provides natural ventilation in the tilt position with simultaneous sound reduction up to 31 dB. Fresh air comes in while noise stays outside.



Multi-functional window

The system can be used as a turn/tilt window, so it can be opened in both the sound-reducing tilt position and the full turn position, depending on the requirement.

Excellent thermal insulation

Very high thermal insulation i.e. Uf values as low as 0.9 W/(m²K), can be achieved with the 90 mm basic depth.

Easy maintenance

Sound reduction cassettes can be easily opened from the window rebate space, making it easy to clean and replace the sound absorber.

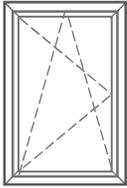


Burglar resistance

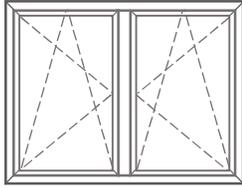
This system offers burglar resistance up to Class RC2 giving you peace of mind against theft.

Design typology

Turn/tilt & side hung



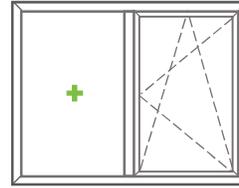
Single vent



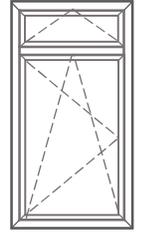
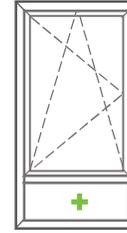
Double vent



Fixed vent



Operable with fixed lite integration



Integration of operable on top

System data

Max. 1700mm

Vent width

Max. 2500 mm

Vent height

107 mm

Min. face width

28 – 68 mm

Glass thickness

Upto 250 kg

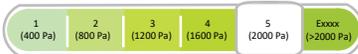
Vent weight

Schueco certified performance

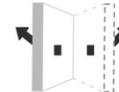
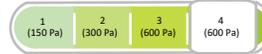
Tested as per EN standards



Windload resistance
Class C5- 2000 Pa



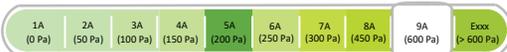
Air-permeability
Class 4- 600 Pa



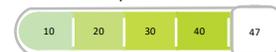
Durability
Class 3- 20000 cycles



Water-tightness
Class 9A- 600 Pa



Sound insulation (closed)
Reduction upto 47 dB



Sound insulation (ventilation)
Reduction upto 34 dB



The Schueco advantage

An integrated design, materials and service approach to deliver the highest global standards to your home



Design rigor & philosophy

Each system from Schueco brings 70 years of global experience in structural detailing and design innovation.



High-performance materials & processes

High-EPDM-content gasket with peroxide curing technology, integrated drainage system, and custom brush seal, all contribute to best-in-class air, water, wind and acoustic performance.



Accessory specifications & testing

Engineered, high-quality materials designed for smooth operation, corrosion resistance and durability with meticulous testing of all components, ensure consistent long-term performance.



Last-mile training and support

Schueco provides in-depth technical and hands-on training to the fabricator partners and certify them to deliver outstanding buildings.

Schueco - System solutions for windows, doors and façades

Schueco products are extensively used all over the world and meet the highest requirements of design, comfort, security and energy efficiency. Headquartered in Bielefeld, the Schueco Group has more than 6,330 employees worldwide and strives to be the industry leader in terms of technology and service today and in the future. The company is active in more than 80 countries and works together with over 40,000 fabricators, developers, architects and investors.



SCAN ME

Registered office, Mumbai

Schueco India Private Limited
WeWork Chromium, Office No. 01A104,
JVLR, Raje Sambhaji Nagar, Andheri (East),
Mumbai, Maharashtra - 400 076
Phone: +91 22 678 689 89

Regional office, Bangalore

Schueco India Private Limited
Unit No.201, August Center BBMP Khatha No.
937/138 & 139/3B/1 Kempe Gowda International
Airport Road, Yelahanka, Bangalore - 560 064
Phone: +91 80 666 989 89

Regional office, New Delhi

Schueco India Private Limited
Office number 318, Tower B DLF Towers,
Jasola, New Delhi - 110 025
Phone: +91 11 694 089 89