

Schüco FWS 85.NI/SG.NI (Custom)

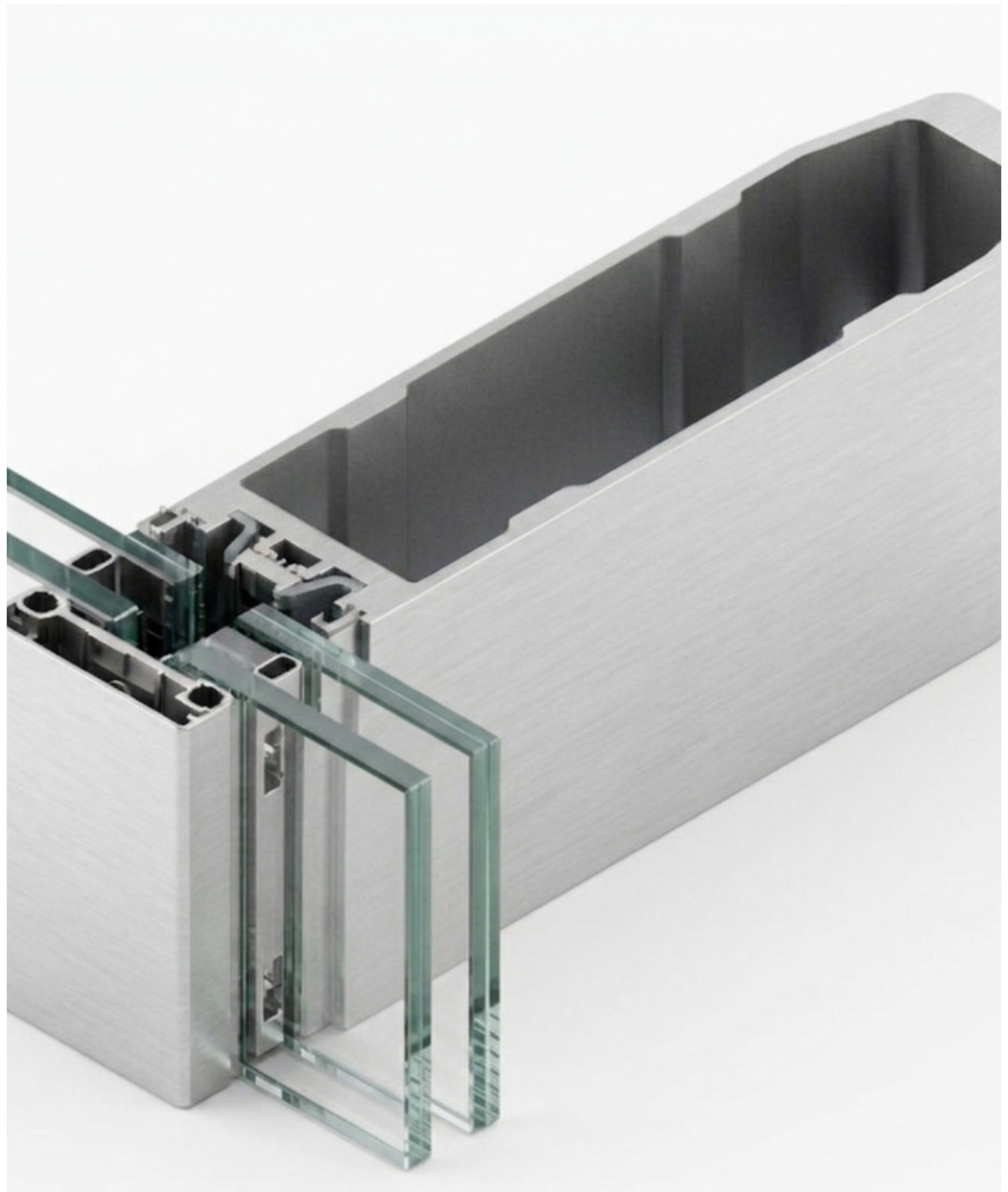
Aluminium Visionline Facade system



System features

Triple-height jointless mullion system with horizontal glass-to-glass joints, delivering maximum transparency and a seamless architectural appearance.





Schüco Façade FWS 85.SG.NI for narrow face widths

Transparent architecture façade system designed to meet the most demanding architectural requirements calls for more than expansive glass surfaces alone. It is only through the integration of unobtrusive, and puristic profile systems that true architectural elegance is achieved.

The Schüco FWS 85 SG.NI / 85.NI transomless façade system seamlessly bridges the gap between refined aesthetics and minimalist design aspirations. With an elegant face width of just 85 mm, the aluminium façade system delivers a clean and sophisticated visual appearance while achieving high-performance standards that contribute to a serene, comfortable, and acoustically balanced interior environment. .

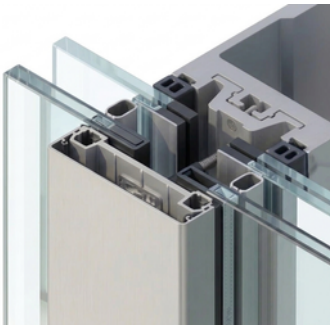
Key highlights of the product

Modern and elegant design (Glass to Glass joints horizontally)

Best in class weather performance capabilities

Focused on project adaptability and execution efficiency with better Civil interface

Successfully validated 1.5 safety factored wind load tests and proven seismic performance.



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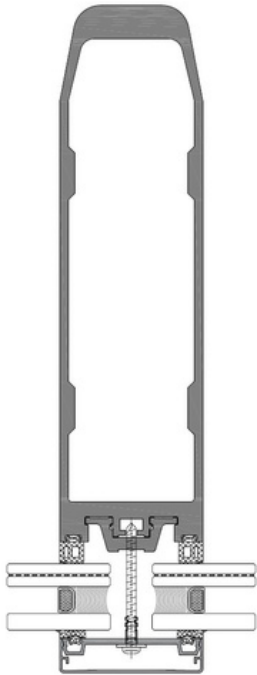
The Schüco FWS 85.NI/SG.NI (Custom)

The Schüco FWS 85 SG.NI / 85.NI transomless design façade system is ideally suited for prestigious façade applications in the lobby areas of luxury residential and commercial developments.

Alongside its exceptional architectural aesthetics, the system has been engineered with a strong focus on simplified and efficient fabrication and installation. Newly developed prefabricated system components enable significantly faster on-site installation, improving execution efficiency and reducing project timelines.

Furthermore, the optimised attachment system to the building structure, combined with the unique pressure plate fixing concept, minimises installation interfaces and ensures a reliable, efficient, and tolerance-accommodating installation process.

Schüco FWS 85.NI/SG.NI (Custom)	
 Product Benefits	
• Glass & Structural Capability Structural glazing façade for DGU and Laminated insulating glass with maximum glass dimensions W x H of 2,000 mm x 4000 mm (in accordance with general building authority approval) Glass thickness from 13.52 mm to 45 mm; pane weights up to 500 kg single glass dead load with heavy-duty glazing support hardware .	
• Transomless Aesthetic Zero horizontal sightlines : The Schueco Entrance glazing eliminates all intermediate horizontal transoms across the full glazed height — delivering an unbroken floor-to-ceiling glass plane that maximises visual openness, natural light penetration, and the sense of space in lobby environments. Concealed fixing detail :Continuous vertical mullion with concealed fixings maintains a pure, uninterrupted glass elevation — no visible hardware to compromise the lobby aesthetic.	
• Structural & safety performance Full-height structural mullion :Engineered to carry wind load, dead load, and live load without intermediate horizontal support — suitable for high-rise lobby applications and exposed wind zones. Safety barrier loading — tested & certified :Certified for safety barrier loading at high-traffic lobby and public access zones. Building movement accommodation : Base shoe and head restraint system designed for differential building movement and thermal expansion — critical for tall lobby façades spanning multiple structural floors. Structural reinforcement :Continuous structural mullion resists forced entry without the vulnerability of transom joint zones.	



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Horizontal section detail

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Fabrication Benefits

- Greater convenience in production and faster installation due to pre-fabricated, innovative system components – e.g. Mullion, pressure plate profiles, and brackets etc.
- MS Bracket also from Schueco, so easy manual reference to fabrication and install end to end from Schueco documents.
- Compliance confidence — systems are pre-tested for wind load, air and water infiltration and seismic, making regulatory approval easier
- Faster fabrication — system-based manufacturing means cut-to-length profiles, pre-drilled components, and predictable assembly workflows
- Reduced errors — schueco provides technical support and engineering data lower the chance of costly mistakes
- Market differentiation — specializing in entrance glazing with 10 years warranty sets a fabricator apart from general contractors.

System Components



Technical Data

Technical Data

Face width	85 mm
Max. Opening height	9000 mm
Panel width	1600 mm
Max. vent weight	500 kg
Glass thickness	Laminated - 13.52 upto 25.52 mm DGU(Laminated) - 28 upto 45 mm

Performance Parameters

Watertightness	600 Pa
Design Wind load resistance	2000 Pa
Air permeability	600 Pa
Lateral Seismic Racking	±15 mm



FWS 85.NI (Custom) - Section details

The Schüco advantage

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



Technology Center

Developing. Testing. Shaping the future.
www.schueco.com/technology-center



Last-mile training and support

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



Software and planning

SchüCal, SchüCad, Schüco NSHEVS, BIMobjects etc.
www.schueco.com/my-workplace

Schüco - System solutions for windows, doors and façades

Based in Bielefeld, the Schüco Group develops and sells system solutions made of aluminium, steel and PVC-U for the building envelope. The product portfolio includes window, door, façade, ventilation, security and sun shading systems, as well as intelligent networked solutions for residential and commercial projects. Schüco also provides consultancy and digital solutions for all phases of a building project – from the initial idea through to design, fabrication and installation, as well as after sales with maintenance and servicing. Fabrication machinery and customer-oriented service complement the product portfolio. As one of the leading companies in the construction industry, Schüco is committed through its products and services to being a pioneer for comprehensive sustainability and actively contributing to climate neutrality and the circular economy within the construction sector. Founded in 1951, Schüco is now active in more than 80 countries and achieved a turnover of 2.05 billion euros in 2024 with 6850 employees.



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