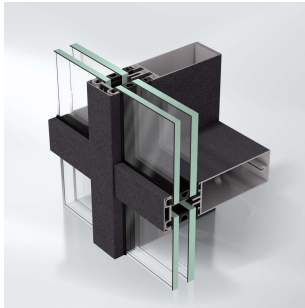




SCHÜCO

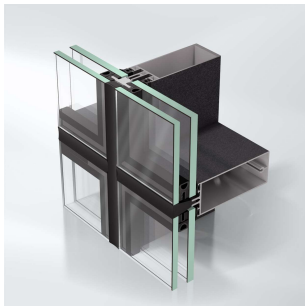
Schueco FWS 50.NI
High performance façade solution



Capped facade



15mm face-width



Structurally glazed with sealant

Schueco FWS 50.NI

High performance façade solution

The Schueco FWS 50.NI / FWS 50 SG.NI is a non-insulated, high-performance façade system that is versatile and offers large glazing areas granting access to abundant daylight. With its capability to handle a 1 ton glass weight, the system offers freedom of design to have tall and wide glass panels for wide vision from the interior and minimal aluminium visibility from the outside. The system has both capped and structurally glazed design options to fulfil the architectural intent of the building. With a variety of possibilities including curved façade, skylights, lighting integration, angled transoms, the FWS 50.NI / FWS 50 SG.NI façade system is an excellent choice for both residential villas and commercial office spaces. The system is tested for the highest performance and can be easily integrated with all Schueco insert vents.

One Ton glass

The system can take glass loads up to 1000 kgs, making possible several design ideas using very large glass panels.

Option of slim face-width

With a design that has just 15mm face-width, the systems gives an extremely sleek look on the inside.

Occupies less floor space

Specially designed mullions with high structural capacity lead to lower mullion depth compared to conventional design, creating a larger floor space.

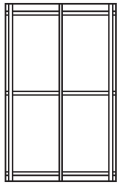
Wide variety of glazing

Capped, structurally glazed (dry & wet glazing with flat and U-shaped gaskets in dry glazing), semi-structurally glazed with horizontal and vertical emphasis.

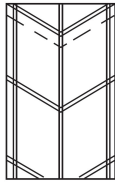
Numerous typologies possible

Wide design possibilities including curved façade, skylights, angular panels, lighting integration etc

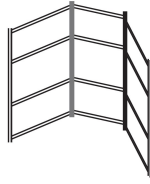
Design typology



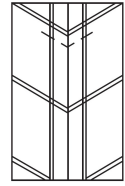
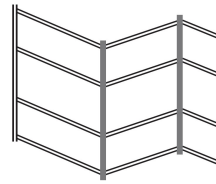
Standard grid



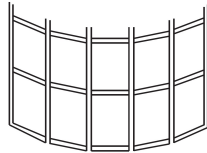
90° outside corner with mullion



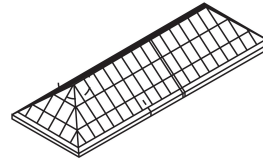
Variable angle type- outside and inside



All-glass outer corner



Curved facade



Sloped facade

System data

50 mm / 15 mm
Face width

Max. 1000 kg (Capped)
Glass load

Max. 680 kg
Glass load

SGU. 6 to 16 mm
Glass thickness

DGU. 24 to 38mm
Glass thickness

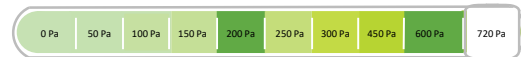
Schueco certified performance



Windload resistance
3000 Pa



Water-tightness
720 Pa



Air-permeability
600 Pa



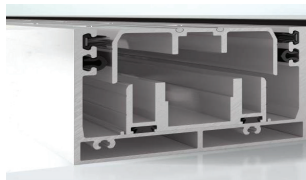
The Schueco advantage

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.



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