

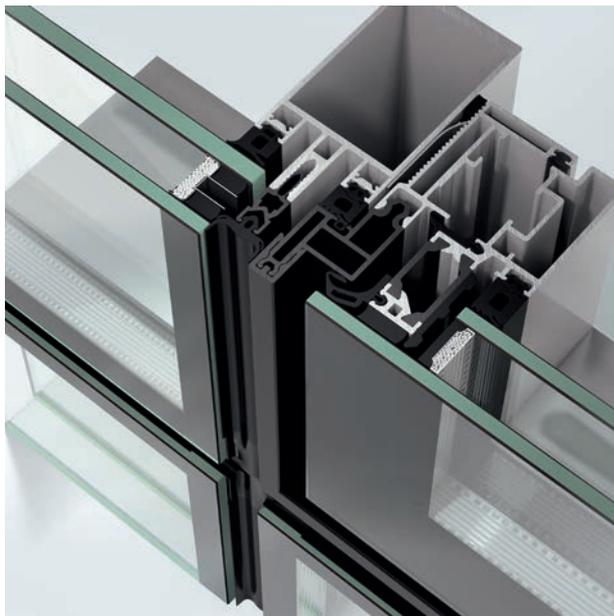


SCHÜCO

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SCHÜCO AWS 114  
ALUMINUM WINDOW SYSTEM

# SCHÜCO AWS 114

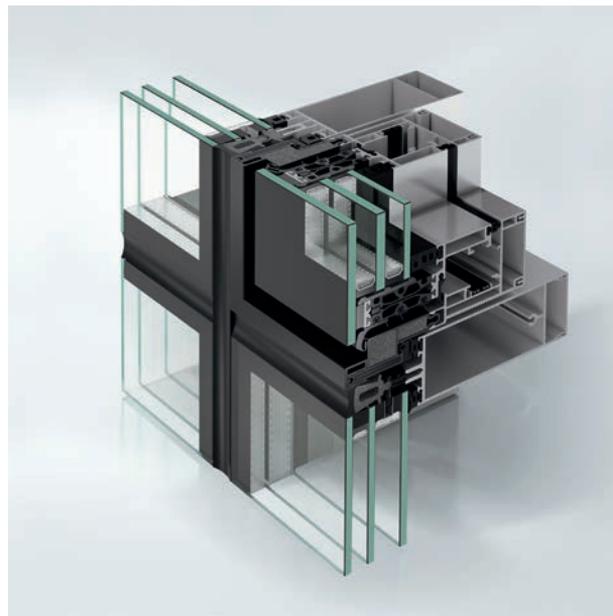


Schüco Aluminum Window System AWS 114 in Schüco Facade System FWS 50 SG

Achieve straightforward efficiency in fabrication, installation and operation with the thermally insulated Schüco Aluminum Window System AWS 114 insert unit and the Schüco AWS 114 SI window as parallel-opening (PAF) or projected top-hung awning (SK) window.

The innovative window system with large vent dimensions can be integrated seamlessly without adversely affecting the uniform facade geometry – and all with vent weights in the motorized version of up to 550 lb (250 kg). The comprehensive glazing range enables custom-built solutions for requisite thermal insulation. Glass thicknesses from  $1\frac{5}{16}$ " to  $1\text{-}\frac{3}{4}$ " (24 mm to 44 mm) can be used with the Schüco AWS 114 (SG) thermally insulated insert unit. Double and triple insulating glass with glass thicknesses from  $1\text{-}\frac{1}{8}$ " to  $2\text{-}\frac{1}{16}$ " (28 mm to 52 mm) can be integrated into the highly thermally insulated Schüco AWS 114 (SG.SI) system.

Whether as an all-glass facade window with stepped insulation glazing (Schüco AWS 114 SG, Schüco AWS 114 SG.SI) or as a facade window with standard insulating glazing and a continuous glazing bead (Schüco AWS 114, Schüco AWS 114.SI) – the insert unit offers a diverse range of design options.



Schüco Aluminum Window System AWS 114 SG.SI TipTronic in Schüco Facade System FWS 50 SG.SI

## PRODUCT BENEFITS

- Schüco AWS 114 thermally insulated: glass thicknesses of  $1\frac{5}{16}$ " to  $1\text{-}\frac{3}{4}$ " (24 mm to 44 mm)
- Schüco AWS 114.SI high thermally insulated: triple glazing and glass thicknesses of  $1\text{-}\frac{1}{8}$ " to  $2\text{-}\frac{1}{16}$ " (28 mm to 52 mm)
- Easy absorbing limiting stays allow safety barrier loading
- Two types of glazing: stepped insulating glazing and standard insulation glazing with continuous glazing bead
- Simple assembly of outer frame and vent frame in the workshop, innovative clip principle for efficient installation of the window unit in the facade installation space
- Height of vent can also be adjusted under a full load
- Use of locking cams and splash-proof cable connections: simple installation of profile integrated Schüco TipTronic drive technology
- UL certification for motorized Schüco TipTronic parallel-opening and top-hung awning windows



Schüco Aluminum Window System AWS 114 SG as parallel opening configuration

TECHNICAL DATA	MANUAL	MOTORIZED
Configurations	Awning/projected top-hung, Parallel-opening	Awning/projected top-hung, Parallel-opening
<b>Minimum Dimensions</b>		
Awning	17-11/16" x 17-11/16" (450 mm x 450 mm)	21-1/16" x 17-11/16" (535 mm x 450 mm)
Parallel-Opening	21-5/8" x 27-9/16" (550 mm x 700 mm)	22-1/16" x 43-7/8" (560 mm x 1115 mm) 38-3/16" x 23-1/16" (970 mm x 585 mm)
<b>Maximum Dimensions</b>		
Awning	59-1/16" x 78-3/4" (1500 mm x 2000 mm) 86-5/8" x 55-1/8" (2200 mm x 1400 mm)	59-1/16" x 141-3/4" (1500 mm x 3600 mm) 106-5/16" x 98-7/16" (2700 mm x 2500 mm)
Parallel-Opening	47-1/4" x 78-3/4" (1200 mm x 2000 mm)	51-3/16" x 141-3/4" (1300 mm x 3600 mm) 86-5/8" x 98-7/16" (2200 mm x 2500 mm)
<b>Weight</b>		
Awning	353 lb (160 kg)	551 lb (250 kg)
Parallel-Opening	220 lb (100 kg)	441 lb (200 kg)
<b>AAMA-Rating</b>		
Awning	AW-PG 50	CW-PG 40
Parallel-Opening	AW-PG 75	AW-PG 40
Water Penetration	15 psf (720 Pa)	15 psf (720 Pa)
<b>Thermal Example</b>		
AWS 114 SG*		0.44 Btu/hr-ft <sup>2</sup> -°F
AWS 114 SG.SI**		0.26 Btu/hr-ft <sup>2</sup> -°F

\*Information based on NFRC standard test size with aluminum spacer, IGU U-Value 0.29

\*\*Information based on NFRC standard test size with TGI wave spacer, IGU U-Value 0.10

Are you planning a building project using Schüco systems or would like to in the future? **Contact us.**

Schüco develops and sells system solutions for windows, sliding doors and facades. In addition to innovative products for residential and commercial buildings, the building envelope specialist offers consultation and digital solutions for all phases of a building project – from the conceptual idea through final design onto fabrication and installation. Machinery for fabrication and a 360° cycle of sustainability complement the range of products and services.

With more than 5,400 employees worldwide, Schüco strives to be the industry leader in terms of technology and service today and in the future. To this end, the company is always developing and testing new products and services for the entire building envelope, taking into account current market trends and standards. 12,000 architects, investors, developer, fabricators and glazing contractors around the world work together with Schüco. The company is active in more than 80 countries and achieved a turnover of 1.88 billion USD in 2018.

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