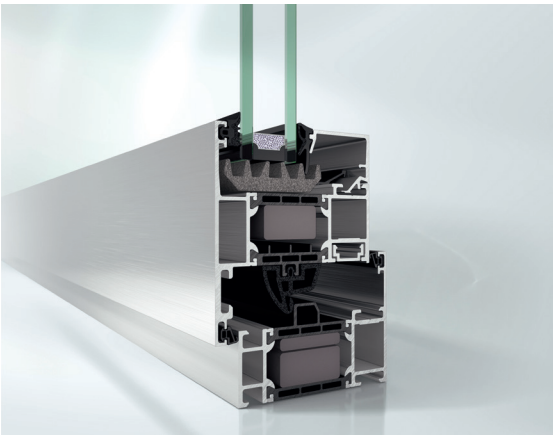


Schüco USA

Aluminum Window and Door Systems



AWS 75.SI+



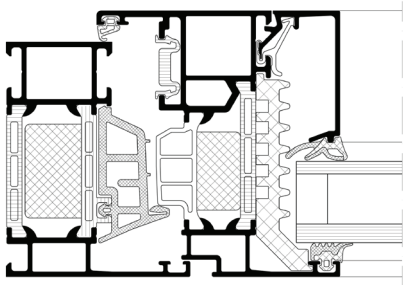
Schüco AWS 75.SI+ Turn/Tilt Window



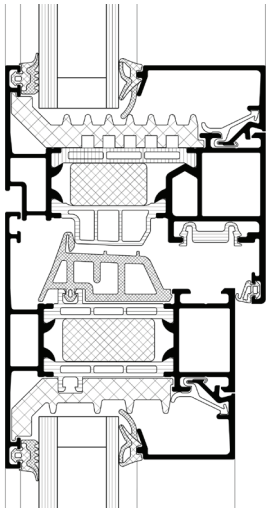
Schüco AvanTec SimplySmart Hardware



Schüco Window Handle



Horizontal Section Detail
Schüco Window AWS 75.SI+



Vertical Section Detail
Schüco Window AWS 75.SI+

Product Information

System Type:
Framing Color:

Overall Size:
Rough Opening Size:

Glass Manufacturer:
Glass Composition

Vent Type:
Vent Hardware:

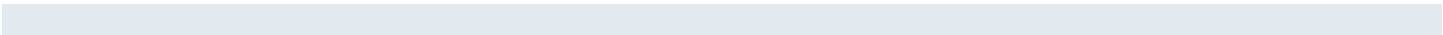
Aluminum Alloy:

Parameter	Glass	System ¹
Wind Load Pressure (psf)		
U-Value (Btu/h ft ² * °F)		
SHGC		
STC		
OITC		
Water Infiltration (ASTM E331/ E547)	15 psf	
Air Infiltration (ASTM E283)	0.10 ft ³ min/ft ² at 6.27 psf	

1: Thermal and Acoustical system values are estimated

Exterior Elevation

Interior Elevation



Schüco Aluminum Window and Door Systems



The Schüco AWS window with a depth of 75 mm (3") feature impressive characteristics in function, energy efficiency, and design. The new Schüco AWS 75.SI+ window allows the thermal insulation to be optimized for energy efficiency, with an U_f value of $1.2 \text{ W/m}^2\text{K}$ ($0.21 \text{ Btu/h ft}^2 \text{ }^\circ\text{F}$) and a face width of 117 mm ($4 \frac{5}{8}$ ").

SimplySmart technology provides fabrication benefits with a center gasket optimized for energy efficiency and glazing rebate insulation. When used in conjunction with the new generation of Schüco AvanTec SimplySmart mechanical fittings, this also allows significant time savings to be made during installation.

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This proposal provides approximate determination of technical parameters. The results are for planning purposes and do not constitute proof of compliance with building regulations. They must be checked for correctness. U-value is calculated according to these standards:

EN ISO 10077-1 : 2017, Thermal performance of windows, doors and shutters - Calculation of thermal transmittance - Part 1 : General

EN ISO 12631 : 2017, Thermal performance of curtain walling - Calculation of thermal transmittance

ift WA-05/2 : 2012, Evaluation of calculation programmes: Method for plausibility check of programmes to calculate the U_w -values of windows, the U_d -values of pedestrian doors and industrial, commercial doors and the U_{cw} -values of curtain walls

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Proposal prepared by:

Date:

Schüco: System solutions for windows, doors, facades, and solar products.

Jointly with its worldwide network of partners, architects, specifiers, and investors, Schüco creates sustainable building envelopes which focus on people and their needs in harmony with nature and technology. The highest demand for design, comfort and security can be met while simultaneously reducing CO_2 emissions through energy efficiency, thereby conserving natural resources. The company and its Metal, PVC-U, and New Energies divisions deliver tailored products for new builds and renovations designed to meet individual user needs in all climate zones. With more than 5,000 employees and 12,000 partner companies, Schüco is active in 78 countries and achieved a turnover of 1.8 billion euros in 2012.

SCHÜCO