

# Schüco USA

Aluminum Window and Door Systems



ADS 75.SI+



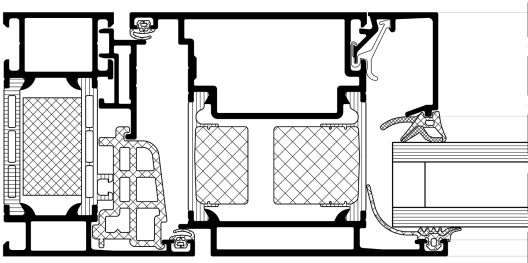
Schüco ADS 75.SI+ Door



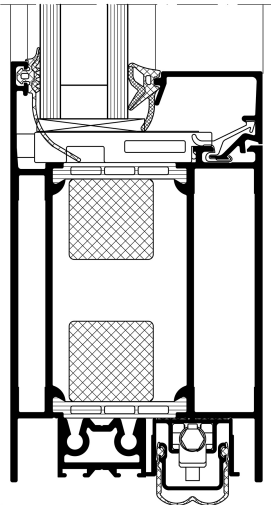
Schüco Surface Mounted Hinge



Schüco Door Handle



Horizontal Section Detail  
Schüco Door ADS 75.SI+



Vertical Section Detail  
Schüco Door ADS 75.SI+

Product Information

System Type:  
Framing Color:

Overall Size:  
Rough Opening Size:

Glass Manufacturer:  
Glass Composition

Door Type:  
Door Hardware:

Aluminum Alloy:

Parameter	Glass	System <sup>1</sup>
Wind Load Pressure (psf)		
U-Value (Btu/h ft² * °F)		
SHGC		
STC		
OITC		
Water Infiltration (ASTM E331/ E547)	2.92 psf	
Air Infiltration (ASTM E283)	0.30 ft³ min/ft² at 6.27 psf	

1: Thermal and Acoustical system values are estimated

Exterior Elevation

Interior Elevation



## Schüco Aluminum Window and Door Systems



The Schüco ADS door with a depth of 75 mm ( 3") feature impressive characteristics in function, energy efficiency, and design. The Schüco ADS 75.SI+ door allows the thermal insulation to be optimized for energy efficiency, with an  $U_f$  value of 1.6 W/m<sup>2</sup>K (0.28 Btu/h ft<sup>2</sup> °F) and a face width of 137 mm (5 3/8").

Schüco ADS doors can be combined with the AWS window system to give a coherent design and integrate fixed top light and/or side light panels. ADS door fittings are optimized to provide easy access, clean aesthetics, and enforced security. Surface mounted hinges are able to bear loads up to 200 kg (441 lbs) leaf weight and are maintenance free, requiring no oiling or greasing. The automatic door seal allows for a truly zero level, barrier free threshold without sacrificing the door's energy performance.

### Schüco-USA LLLP

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### Schüco International KG

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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<sub>2</sub> 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.

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