## Certificate

Certified Passive House component

for cool, temperate climate, valid until 31.12.2016

Category: Manufacturer:

Curtain Wall SCHÜCO International KG 33609 Bielefeld, GERMANY AOC 60 TI.SI

Product name:

# The following comfort criteria were used in awarding this certificate:

Given a Ug value of 0,7 W/(m<sup>2</sup>K) and an element size of 1.20 m by 2.50 m,

## $U_{CW} = 0.80 \text{ W/(m^2K)} \le 0.80 \text{ W/(m^2K)}$

Taking into account the installation based thermal bridges, and provided that the installation is, with regard to the thermal bridges, equal or better than shown in the data sheet, the facede meets the following criterion.

U<sub>CW,installed</sub>

≤ 0.85 W/(m<sup>2</sup>K)

## Thermal data of the construction

	U <sub>f</sub> -value [W/(m²K)]	Width [mm]	<b>Ψ</b> g [W/(mK)]	f <sub>Rsi=0,25</sub> [-]
Spacer			Swisspacer V*	
Transom (t)	0,88	60	0,033	0.72
Mullion (m)	0,90	60	0,033	0,75
Thermal glass of	0,004			

\*Spacers of lower thermal quality, especially those made of aluminium, lead to significantly higher thermal losses and lower temperature factors.

Further information see data sheet

www.passivehouse.com





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## Data Sheet SCHÜCO International KG, AOC 60 TI.SI

Manufacturer SCHÜCO International KG 33609 Bielefeld, GERMANY Tel.: +49 521 783 0 www.schueco.com



### Description

Timber construction, with aluminium system carrier. Covering- and pressure-strip from aluminium. PE-foam insulator in the glazing rebate (0,040 W/(mK)), cover by aluminium foil on the inside. . Used Pane: 40 mm (4/14/4/14/4), intersection of the Glass: 18 mm. Used spacer: Swisspacer V

### Thermal data

	U <sub>f</sub> -value	Width	Ψ <sub>g</sub>	f <sub>Rsi=0.25</sub>		
	[W/(m²K)]	[mm]	[W/(mK)]	[-]		
Spacer			Swisspacer V*			
Transom (t)	0,88	60	0,033	0,73		
Mullion (m)	0,90	60	0,033			
Opening element	1,19	167	0,027	0,70		
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Thermal glass car	0,004					
1: Includes $\Delta U = 0,18 \text{ W/(m}^2\text{K})$ , measured by ift Rosenheim						
2: Measured by ift Rosenheim						



\* Spacers of lower thermal quality leading to higher thermal losses and lower temperatures.

#### www.passivehouse.com