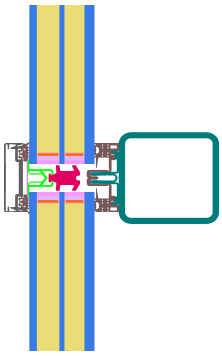
Certificate

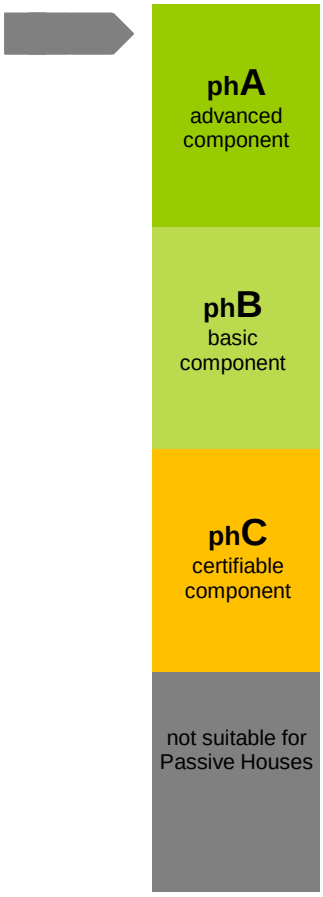
Certified Passive House component
for cool, temperate climate, valid until 31.12.2016

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
GERMANY

Category: **Inclined Curtain Wall**
Manufacturer: **SCHÜCO International KG**
33609 Bielefeld, GERMANY
Product name: **AOC 60 ST.SI**



Passive House Efficiency Class



The following comfort criteria were used in awarding this certificate:

Given a Ug value of 0.72 W/(m²K) and an element size of 1.23 m by 2.50 m,

U_{CWi} = 0.82 W/(m²K) ≤ 1.00 W/(m²K)

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.

$U_{CWi,installed}$ ≤ 1.00 W/(m²K)

Thermal data of the construction

	U_f-value [W/(m²K)]	Width [mm]	Ψ_g [W/(mK)]	$f_{Rsi=0.25}$ [-]
Spacer			SwisspacerV*	
Transom (t)	0.97	60	0.035	0.80
Mullion (m)	0.97	60	0.035	
Thermal glass carrier bridge χ_{GT} [W/K]:				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 **0221ic03**

Data Sheet SCHÜCO International KG, AOC 60 ST.SI

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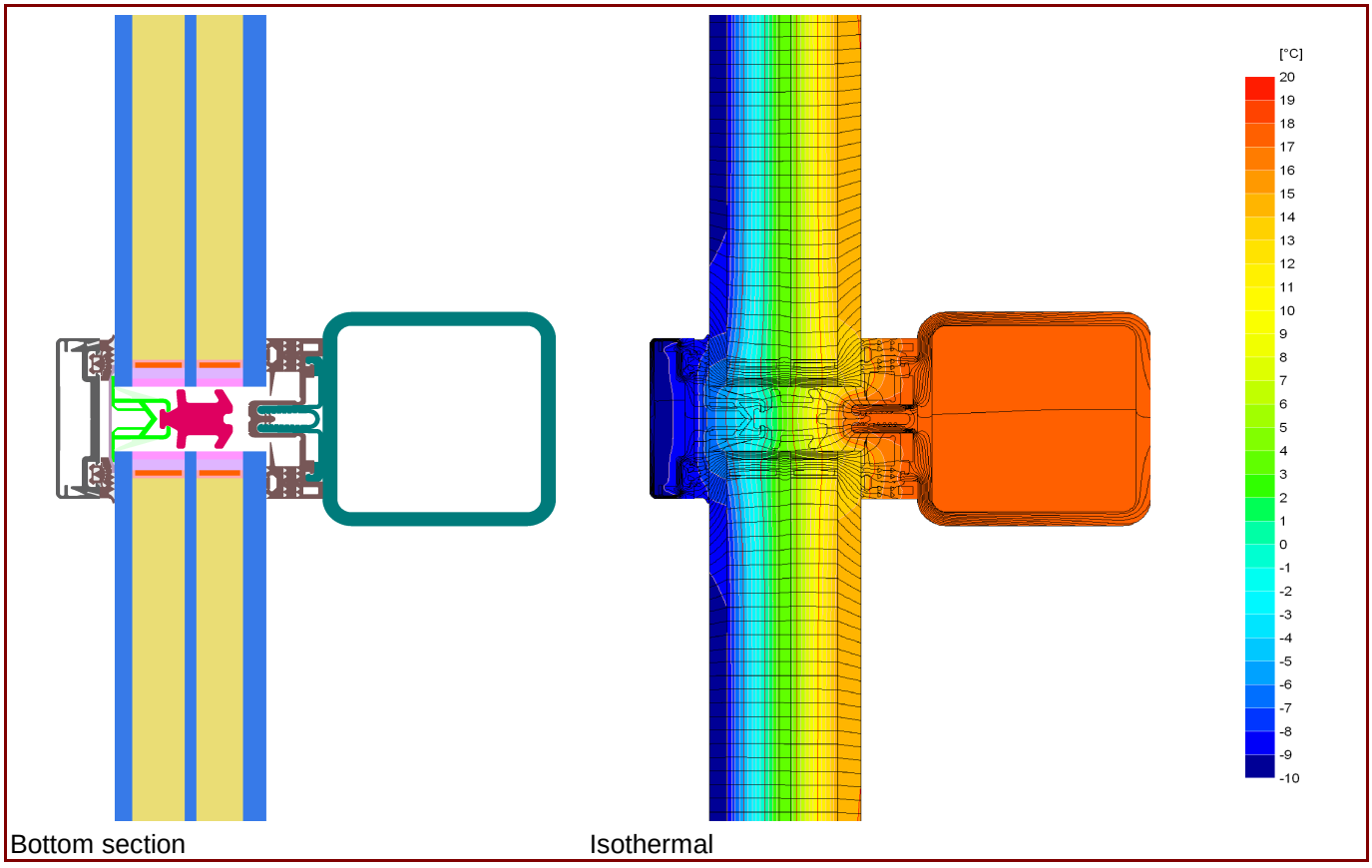

Bottom section Isothermal

Description

Steel construction, with steel system carrier. Covering- and pressure-strip from aluminium. PE-foam insulator in the glazing rebate (0,040 W/(mK)). Used pane: 52 mm (6/18/4/16/8), intersection of the glass: 18 mm. Used spacer: SwisspacerV

Thermal data

	U_f-value [W/(m²K)]	Width [mm]	Ψ_g [W/(mK)]	$f_{Rsi=0.25}$ [-]
Spacer			SwisspacerV*	
Transom (t)	0.97	60	0.035	0.80
Mullion (m)	0.97	60	0.035	
Opening element				
-				
Thermal glass carrier bridge χ_{GT} [W/K]:				0.004
1: Includes ΔU = 0.22 W/(m²K), measured by ift Rosenheim				
2: Measured by ift Rosenheim				

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