

Certificate

Certified Passive House component

For cool temperate climates, valid until 31 December 2017

Category: **Entry door with glazing**

Manufacturer: **OPTIWIN GmbH**
6341 Ebbs, Austria

Product: **ENTRADA**

This certificate was awarded based on the following criteria:

Heat losses through the installed entry door:

U-value of the installed door (1.10 m wide by 2.20 m tall):

$$U_{D, \text{installed}} = 0.75 \text{ W/(m}^2\text{K)} \leq 0.80 \text{ W/(m}^2\text{K)}$$

Provided that the installation is carried out according to the certification report, available from the manufacturer.

U-value before installation: $U_D = 0.68 \text{ W/(m}^2\text{K)}$.

The U-values were calculated based on **glazing with $U_g = 0.50 \text{ W/(m}^2\text{K)}$** in accordance with EN 673 and the spacer "Swisspacer Ultimate". The glass pane has an area of 1.33 m² (door size: 1.10 m by 2.20 m).

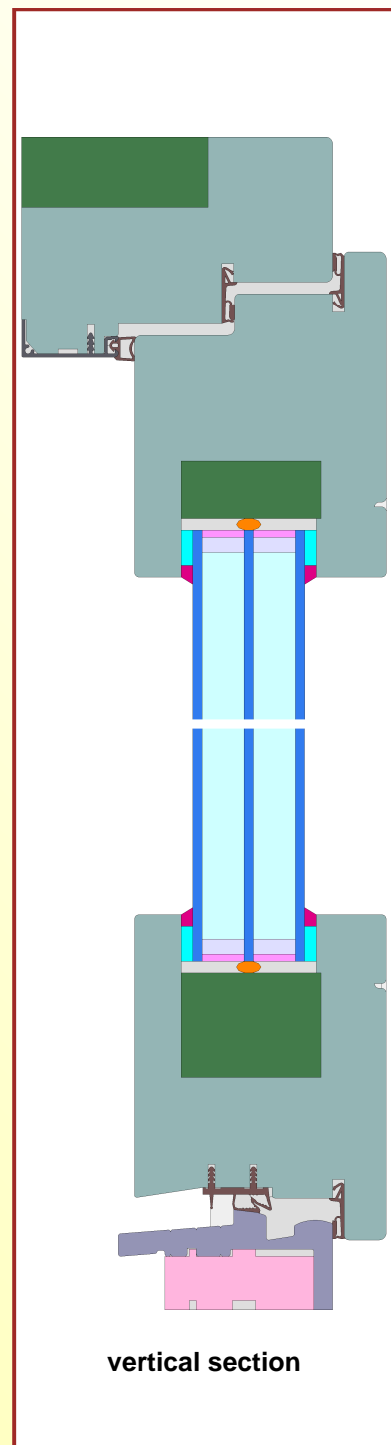
Airtightness:

Airtightness class 3 according to EN 12207.

The airtightness criterion has been fulfilled.

The airtightness test according to EN 1026 was carried out taking into account a maximal deformation of the door leaf, as per EN 1121.

Passive House Institute
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Germany



U-value entry door
including the above mentioned
glazing with $U_g = 0.50 \text{ W/(m}^2\text{K)}$

$$U_D = 0.68 \text{ W/(m}^2\text{K)}$$

For further information, please see data sheet.



**CERTIFIED
COMPONENT**

Passive House Institute