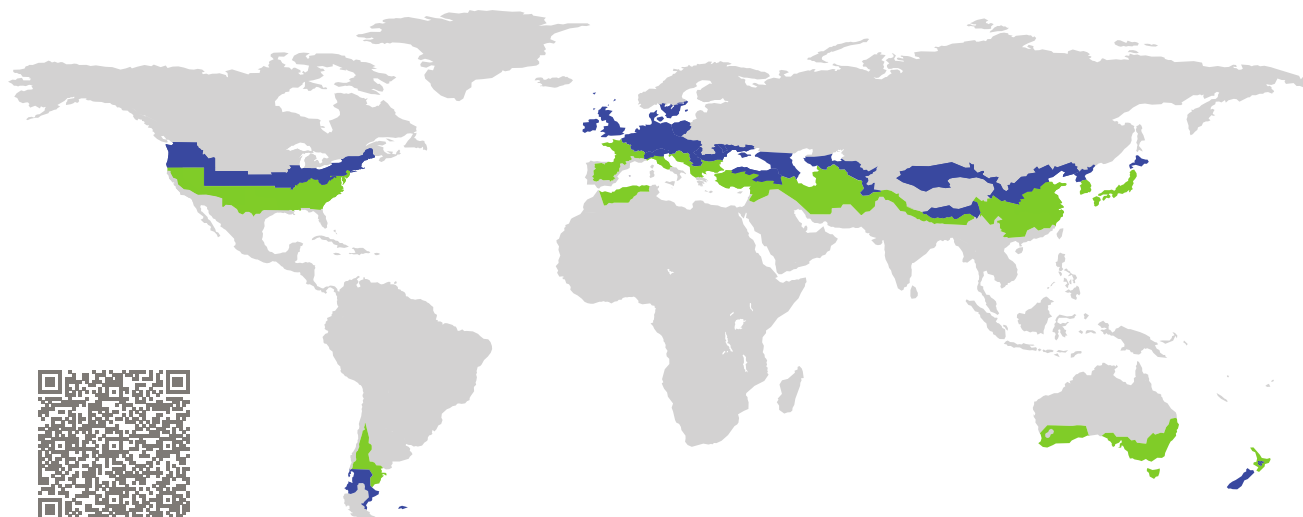


CERTIFICATE

Certified Passive House Component

Component-ID 1397sl03 valid until 31st December 2020

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

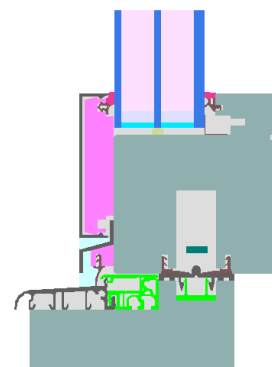


Category: **Sliding Door**
Manufacturer: **ENERsign GmbH,
Wittlich,
Germany**
Product name: **ENERsign primus slide**

**This certificate was awarded based on the following
criteria for the cool, temperate climate zone**

Comfort $U_{SL} = 0.78 \leq 0.80 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{SL, \text{installed}} \leq 0.85 \text{ W}/(\text{m}^2 \text{ K})$
with $U_g = 0.70 \text{ W}/(\text{m}^2 \text{ K})$

Hygiene $f_{Rsi=0.25} \geq 0.70$



cool, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute

Passive House
efficiency class

phE








phD


phC

phB

phA

www.passivehouse.com

Frame values			Frame width b_f mm	U -value frame U_f W/(m ² K)	Ψ -panel edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Top	(to)		148	0.89	0.019	0.76
Side	(s)		165	0.78	0.019	0.74
Top fixed	(tof)		100	0.56	0.019	0.76
Side fixed	(sf)		100	0.54	0.019	0.75
Bottom fixed	(bof)		100	0.55	0.019	0.76
Threshold	(th)		154	1.11	0.019	0.73
Mullion 1 casement	(m1)		123	1.20	0.022	0.70
Spacer: SWISSPACER Ultimate			Secondary seal: Polyurethan			



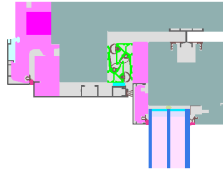
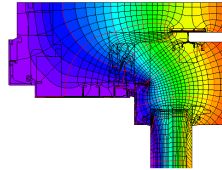
Top


$b_f = 148.00$ mm

$U_f = 0.89$ W/(m² K)

$\Psi_g = 0.019$ W/(m K)

$f_{Rsi} = 0.76$



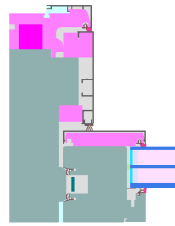
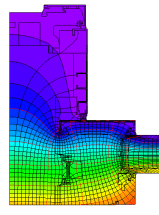
Side


$b_f = 165.00$ mm

$U_f = 0.78$ W/(m² K)

$\Psi_g = 0.019$ W/(m K)

$f_{Rsi} = 0.74$



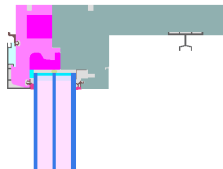
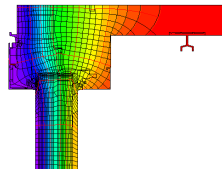
**Top
fixed**

$b_f = 100.00$ mm

$U_f = 0.56$ W/(m² K)

$\Psi_g = 0.019$ W/(m K)

$f_{Rsi} = 0.76$



Side

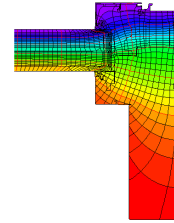
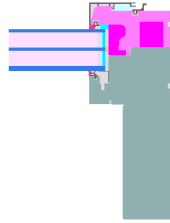
fixed

$$b_f = 100.00 \text{ mm}$$

$$U_f = 0.54 \text{ W/(m}^2 \text{ K)}$$

$$\Psi_g = 0.019 \text{ W/(m K)}$$

$$f_{Rsi} = 0.75$$



Bottom

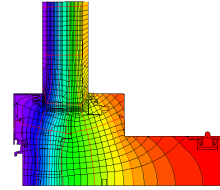
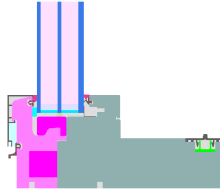
fixed

$$b_f = 100.00 \text{ mm}$$

$$U_f = 0.55 \text{ W/(m}^2 \text{ K)}$$

$$\Psi_g = 0.019 \text{ W/(m K)}$$

$$f_{Rsi} = 0.76$$



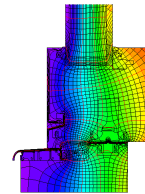
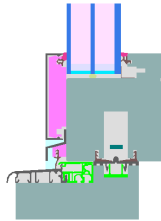
Threshold

$$b_f = 154.00 \text{ mm}$$

$$U_f = 1.11 \text{ W/(m}^2 \text{ K)}$$

$$\Psi_g = 0.019 \text{ W/(m K)}$$

$$f_{Rsi} = 0.73$$



Mullion

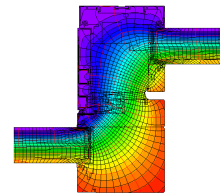
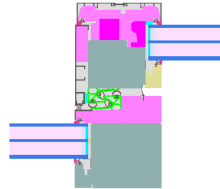
1 casement

$$b_f = 123.00 \text{ mm}$$

$$U_f = 1.20 \text{ W/(m}^2 \text{ K)}$$

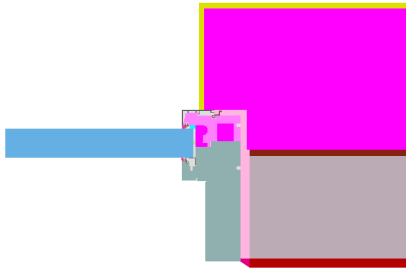
$$\Psi_g = 0.022 \text{ W/(m K)}$$

$$f_{Rsi} = 0.70$$



Exterior insulation and finishing s (EIFS)
side (fixed glazed)

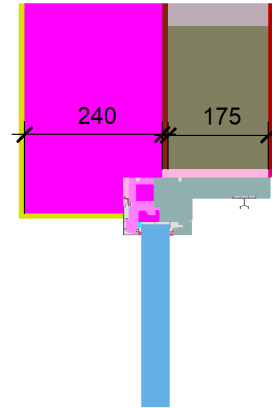
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



$$\Psi_{\text{install}} = 0.01 \text{ W/(m K)}$$

Exterior insulation and finishing s (EIFS)
top (fixed glazing)

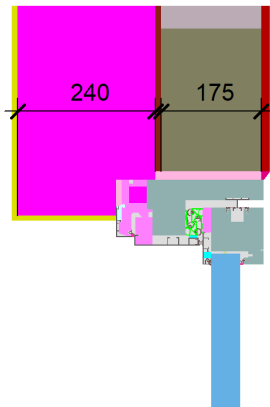
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



$$\Psi_{\text{install}} = 0.01 \text{ W/(m K)}$$

Exterior insulation and finishing s (EIFS)
top (operable)

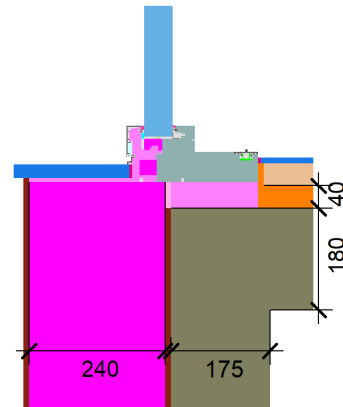
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



$$\Psi_{\text{install}} = 0.05 \text{ W/(m K)}$$

Ext insulation a. finish. s. (EIFS)
threshold ceiling (fixed gl)

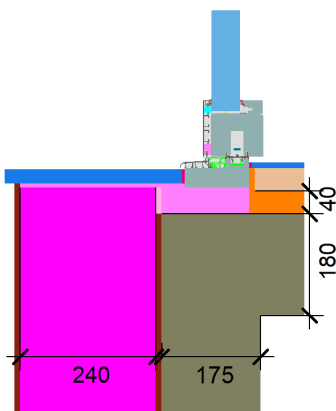
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



$$\Psi_{\text{install}} = 0.02 \text{ W/(m K)}$$

Ext insulation a. finish. s. (EIFS)
threshold ceiling (operable)

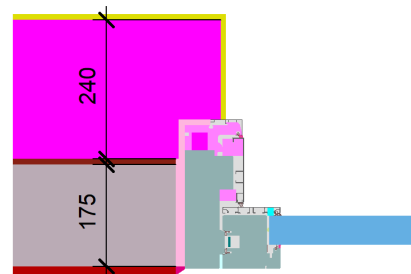
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



$$\Psi_{\text{install}} = 0.14 \text{ W/(m K)}$$

Exterior insulation and finishing system
(EIFS) side

$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



$$\Psi_{\text{install}} = 0.08 \text{ W/(m K)}$$

