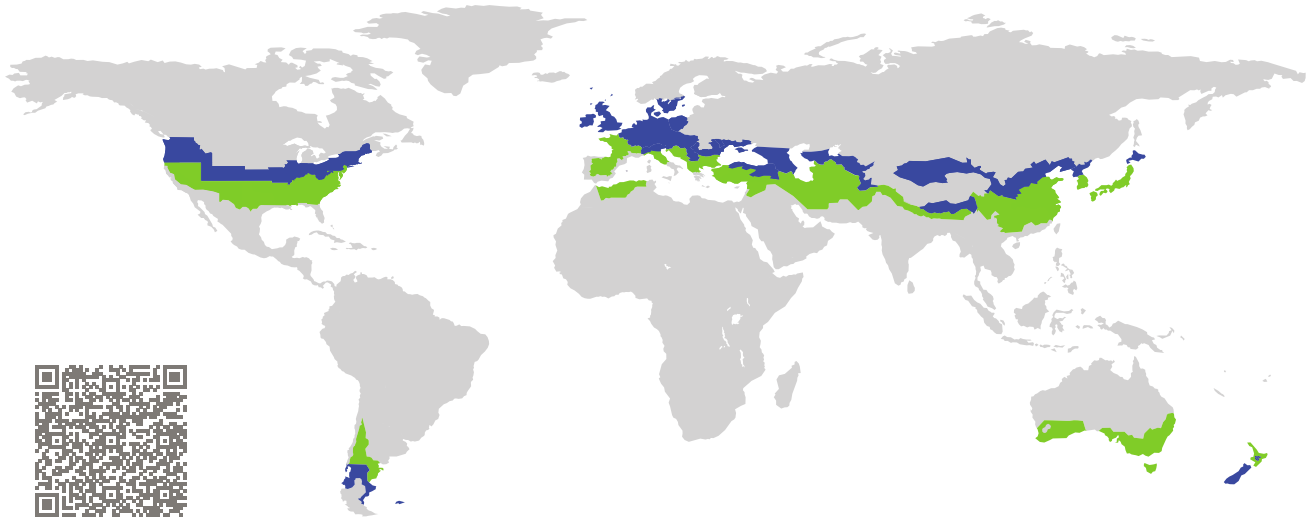


CERTIFICATE

Certified Passive House Component

Component-ID 1260sl03 valid until 31st December 2018

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

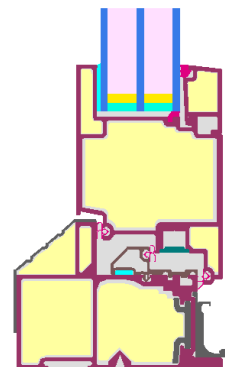


Category: **Sliding Door**
Manufacturer: **Cascadia Windows & Doors,
Langley,
Canada**
Product name: **Cascadia Slider PH**

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

Comfort $U_{SL} = 0.76 \leq 0.80 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{SL, \text{installed}} \leq 0.85 \text{ W}/(\text{m}^2 \text{ K})$
with $U_g = 0.70 \text{ W}/(\text{m}^2 \text{ K})$

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



Passive House
efficiency class

phE

phD

phC

phB








phA


cool, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute

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)		168	0.79	0.021	0.74
Side	(s)		158	0.73	0.020	0.76
Top fixed	(tof)		81	0.76	0.023	0.81
Side fixed	(sf)		58	0.81	0.020	0.75
Bottom fixed	(bof)		81	0.74	0.022	0.80
Threshold	(th)		168	0.74	0.021	0.76
Mullion 1 casement	(m1)		202	0.74	0.020	0.76
Spacer: Super Spacer Premium				Secondary seal: Butyl		



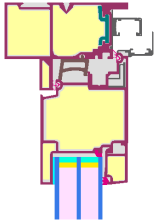
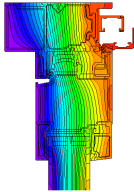
Top


$b_f = 168.40$ mm

$U_f = 0.79$ W/(m² K)

$\Psi_g = 0.021$ W/(m K)

$f_{Rsi} = 0.74$



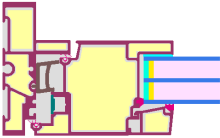
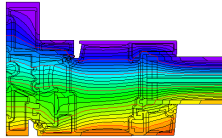
Side


$b_f = 158.00$ mm

$U_f = 0.73$ W/(m² K)

$\Psi_g = 0.020$ W/(m K)

$f_{Rsi} = 0.76$



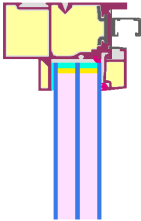

**Top
fixed**

$b_f = 81.00$ mm

$U_f = 0.76$ W/(m² K)

$\Psi_g = 0.023$ W/(m K)

$f_{Rsi} = 0.81$



Side

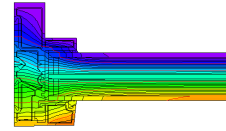
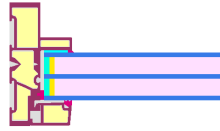
fixed

$$b_f = 57.70 \text{ mm}$$

$$U_f = 0.81 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0.020 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0.75$$



Bottom

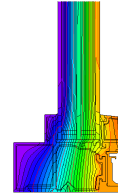
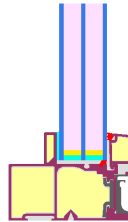
fixed

$$b_f = 81.00 \text{ mm}$$

$$U_f = 0.74 \text{ W}/(\text{m}^2 \text{ K})$$

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

$$f_{Rsi} = 0.80$$



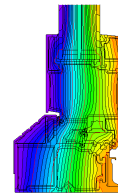
Threshold

$$b_f = 168.40 \text{ mm}$$

$$U_f = 0.74 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0.021 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0.76$$



Mullion

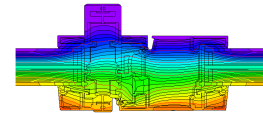
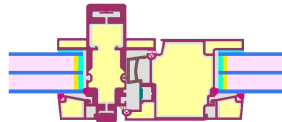
1 casement

$$b_f = 202.00 \text{ mm}$$

$$U_f = 0.74 \text{ W}/(\text{m}^2 \text{ K})$$

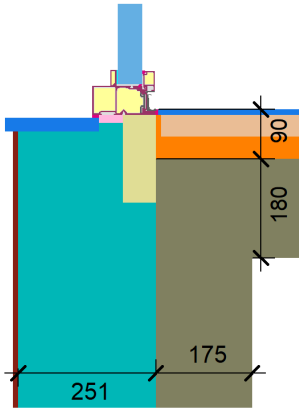
$$\Psi_g = 0.020 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0.76$$



Exterior insul. and finish s. (EIFS)
threshold (fixed glazing)

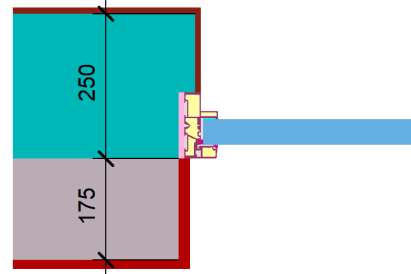
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



$$\Psi_{\text{install}} = 0.04 \text{ W/(m K)}$$

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

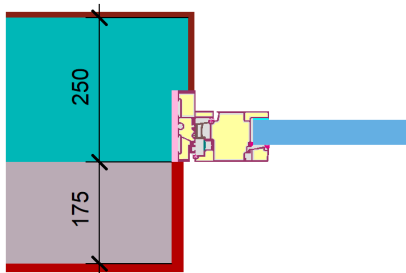
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



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

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

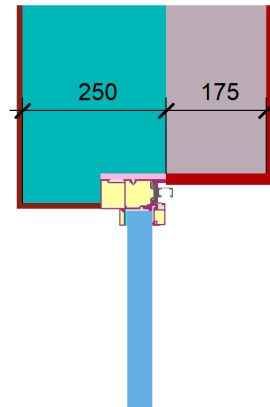
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



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

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

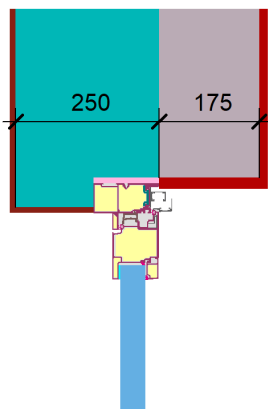
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



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

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

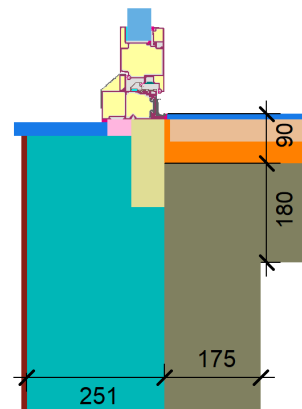
$$U_1 = 0.13 \text{ [W/(m}^2 \text{ K)]}$$



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

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

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



$$\Psi_{\text{install}} = 0.04 \text{ W/(m K)}$$

