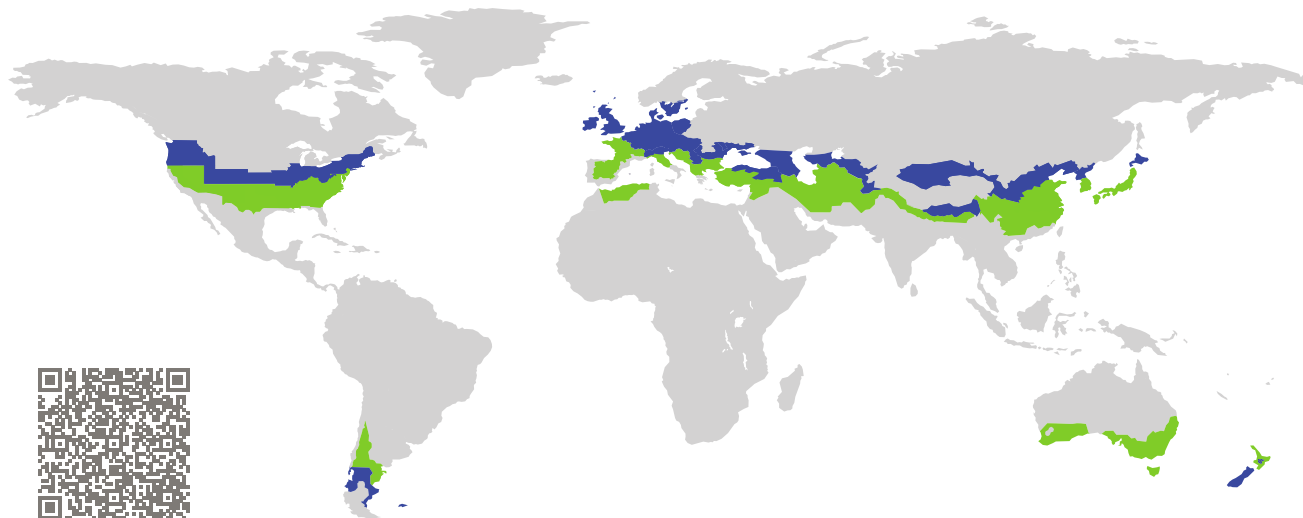


CERTIFICATE

Certified Passive House Component

Component-ID 1256fx03 valid until 31st December 2025

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

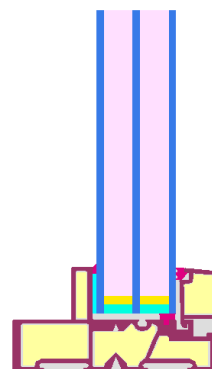


Category: **Fixed window**
Manufacturer: **Cascadia Windows & Doors,
Langley, BC,
Canada**
Product name: **Cascadia Fixed Window PH**

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

Comfort $U_W = 0.77 \leq 0.80 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{W,\text{installed}} \leq 0.85 \text{ W}/(\text{m}^2 \text{ K})$
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

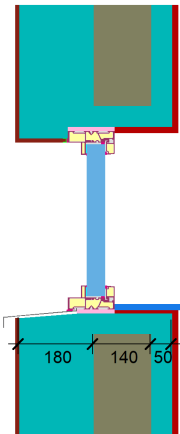
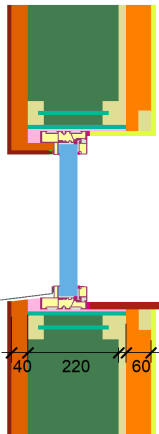
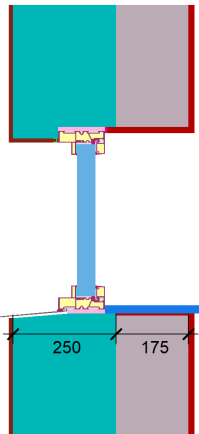
cool, temperate climate







**CERTIFIED
COMPONENT**

Passive House Institute

Validated installations

Formwork blocks (fixed)	Lightweight timber (fixed glazed)	Exterior insulation and finishing system (EIFS) (fixed glazed)
$U_{\text{Wall}} = 0.15 \text{ W}/(\text{m}^2 \text{ K})$	$U_{\text{Wall}} = 0.13 \text{ W}/(\text{m}^2 \text{ K})$	$U_{\text{Wall}} = 0.13 \text{ W}/(\text{m}^2 \text{ K})$
		
Ψ_{install} W/(m K)	Ψ_{install} W/(m K)	Ψ_{install} W/(m K)
Top 0.012	Top 0.018	Top 0.008
Side 0.012	Side 0.018	Side 0.008
Bottom 0.019	Bottom 0.020	Bottom 0.016
$U_{W,\text{installed}} = 0.81 \text{ W}/(\text{m}^2 \text{ K})$	$U_{W,\text{installed}} = 0.83 \text{ W}/(\text{m}^2 \text{ K})$	$U_{W,\text{installed}} = 0.80 \text{ W}/(\text{m}^2 \text{ K})$

Frame values		Frame width b_f mm	U -value frame U_f W/(m ² K)	Ψ -glazing edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Mullion fixed	(OM1) 	99	0.81	0.021	0.75
Bottom fixed	(FB1) 	58	0.81	0.020	0.75
Top fixed	(FH1) 	58	0.81	0.020	0.75
Lateral fixed	(FJ1) 	58	0.81	0.020	0.75
		Spacer: Super Spacer Premium		Secondary seal: Butyl	

