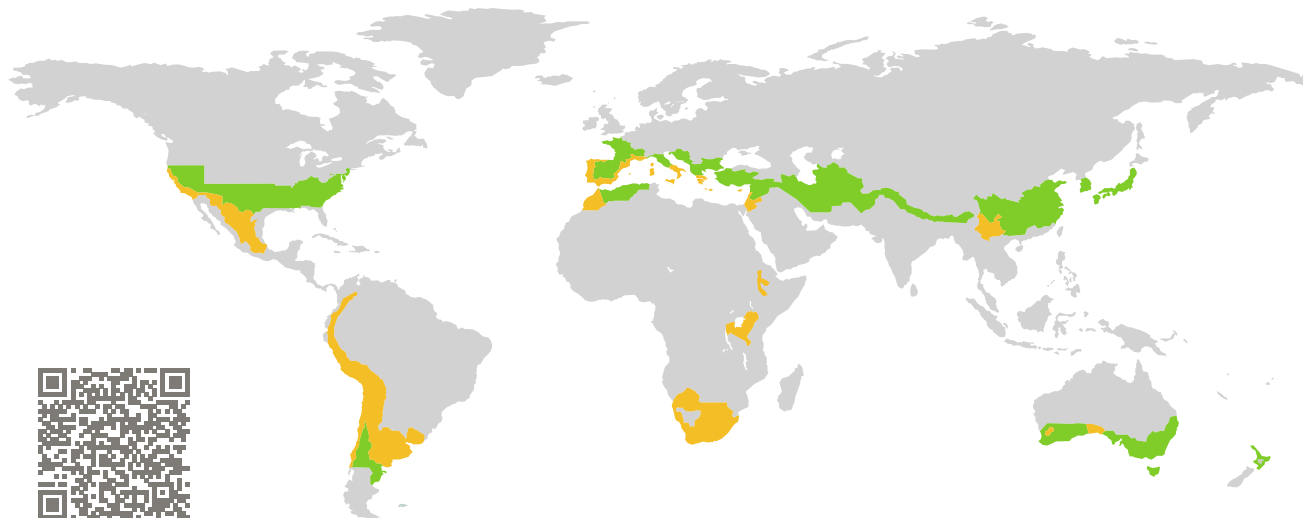


CERTIFICATE

Certified Passive House Component

Component-ID 0844wi04 valid until 31st December 2017

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

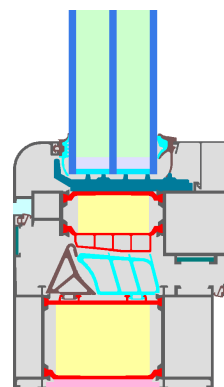


Category: **Window frame**
Manufacturer: **Qingdao Rocky Window Co., Ltd.,
Qingdao,
People's Republic of China**
Product name: **Rocky110**

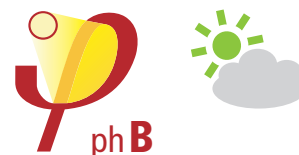
**This certificate was awarded based on the following
criteria for the warm, temperate climate zone**

Comfort $U_W = 0.94 \leq 1.00 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{W,\text{installed}} \leq 1.05 \text{ W}/(\text{m}^2 \text{ K})$
with $U_g = 0.90 \text{ W}/(\text{m}^2 \text{ K})$

Hygiene $f_{Rsi=0.25} \geq 0.65$



warm, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute

Passive House
efficiency class

phE





phD

phC

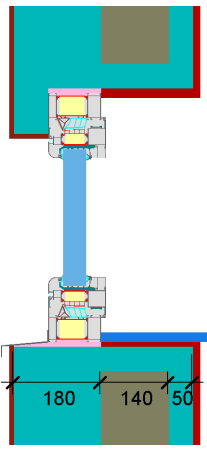
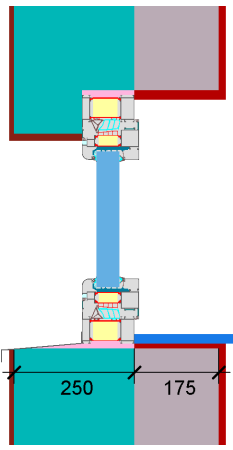
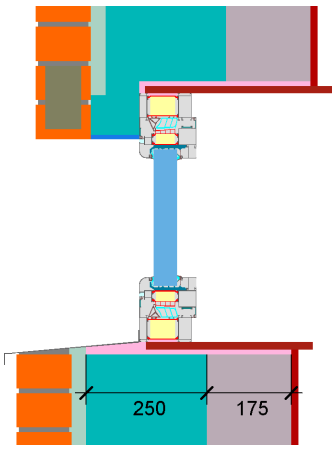
phB

phA

www.passivehouse.com

Frame values			Frame width b_f mm	U -value frame U_f W/(m ² K)	Ψ -glass edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Top	(to)		135	0.89	0.019	0.76
Side	(s)		135	0.89	0.019	0.76
Bottom	(bo)		135	0.89	0.019	0.76
Mullion flying	(fm)		174	0.84	0.019	0.76
			Spacer: SWISSPACER Ultimate		Secondary seal: Polyurethane	

Validated installations

Insulated formwork blocks		EIFS		Cavity wall (operable)	
					
$\Psi_{install}$	W/(m K)	$\Psi_{install}$	W/(m K)	$\Psi_{install}$	W/(m K)
Top	0.008	Top	0.010	Top	0.024
Side	0.008	Side	0.010	Side	0.024
Bottom	0.016	Bottom	0.018	Bottom	0.035
$U_{W,installed} = 0.97$ W/(m ² K)		$U_{W,installed} = 0.98$ W/(m ² K)		$U_{W,installed} = 1.02$ W/(m ² K)	

