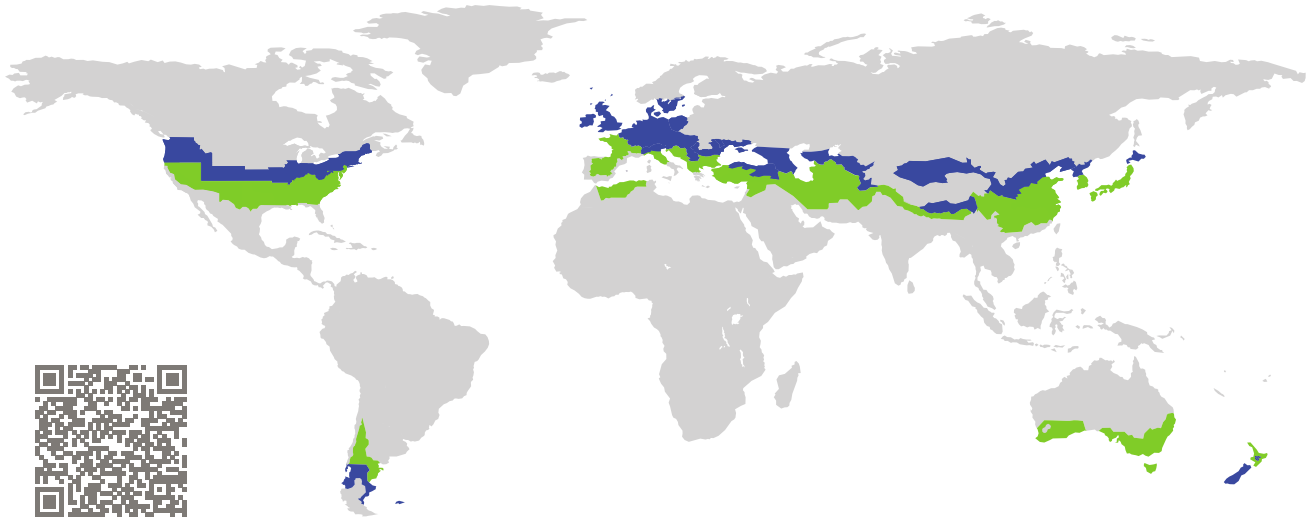


CERTIFICATE

Certified Passive House Component

Component-ID 0843wi03 valid until 31st December 2017

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

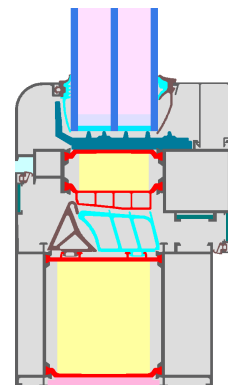


Category: **Window frame**
Manufacturer: **Qingdao Rocky Window Co., Ltd.,
Qingdao,
People's Republic of China**
Product name: **Rocky110+**

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

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





www.passivehouse.com

cool, temperate climate

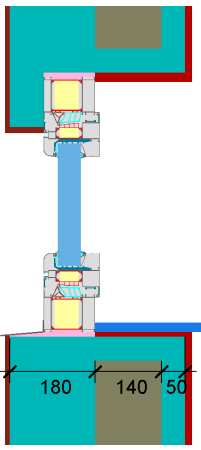
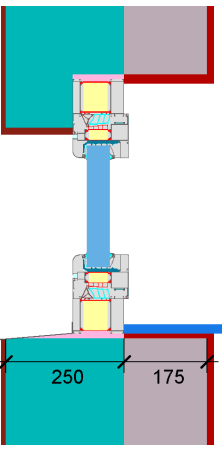
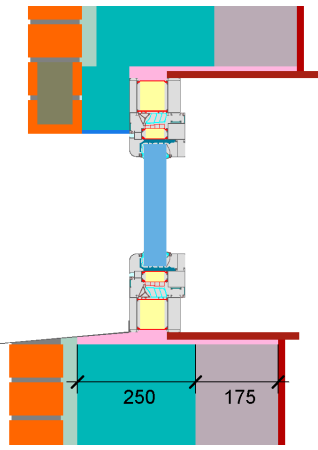


**CERTIFIED
COMPONENT**

Passive House Institute

Frame values			Frame width b_f mm	U-value frame U_f W/(m ² K)	Ψ -glass edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Top	(to)		168	0.80	0.018	0.79
Side	(s)		168	0.80	0.018	0.79
Bottom	(bo)		168	0.80	0.018	0.79
Mullion flying	(fm)		207	0.77	0.019	0.79
			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	0.007	Top	0.008	Top	0.007
Side	0.007	Side	0.008	Side	0.007
Bottom	0.016	Bottom	0.018	Bottom	0.016
$U_{W,installed} = 0.81$ W/(m ² K)		$U_{W,installed} = 0.81$ W/(m ² K)		$U_{W,installed} = 0.81$ W/(m ² K)	

