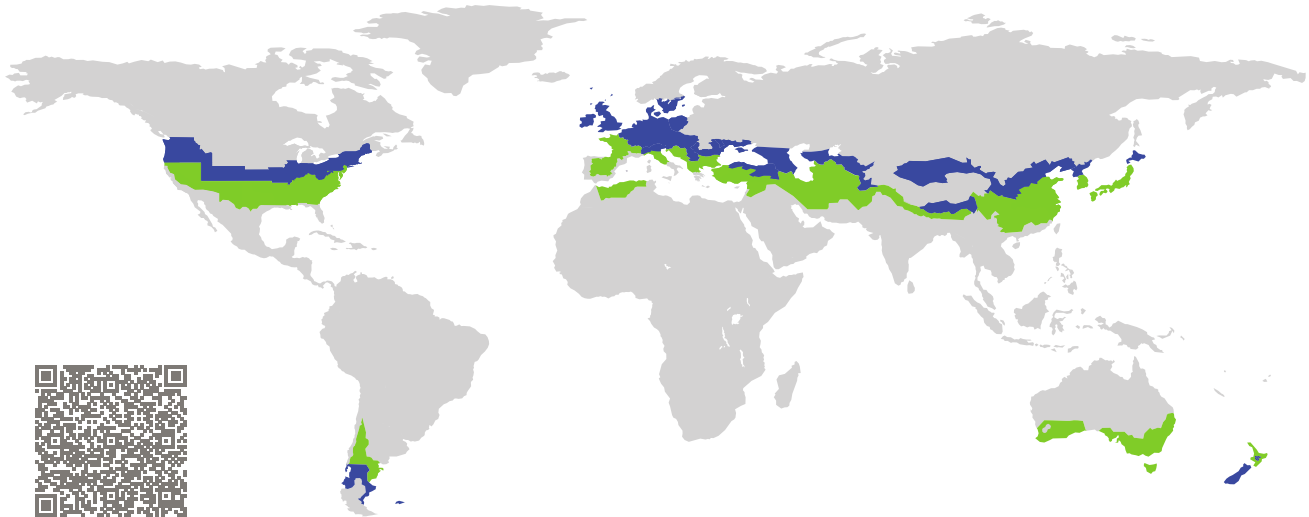


# CERTIFICATE

Certified Passive House Component

Component-ID 1396wi03 valid until 31st December 2025

Passive House Institute  
Dr. Wolfgang Feist  
64283 Darmstadt  
Germany

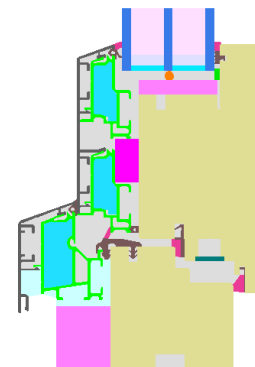


Category: **Window Frame**  
Manufacturer: **Harbin Sayyas Windows Stock Co. Ltd.,  
Wanggang Town Nangang Distr.  
Harbin,  
China**  
Product name: **PASSIVE 120C-138**

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

Comfort  $U_{W=0.80} \leq 0.80 \text{ W}/(\text{m}^2 \text{ K})$   
 $U_{W,\text{installed}} \leq 0.85 \text{ W}/(\text{m}^2 \text{ K})$   
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](http://www.passivehouse.com)

cool, temperate climate

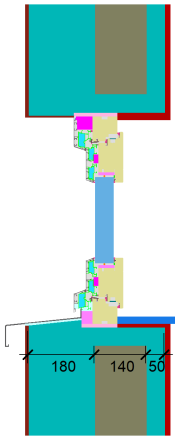
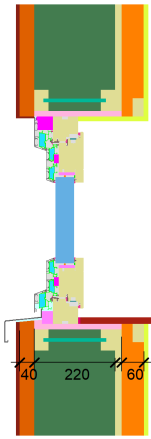
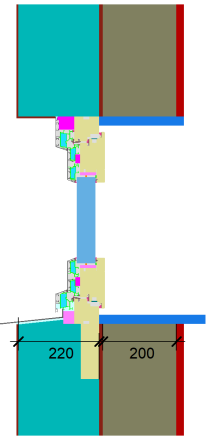






**CERTIFIED  
COMPONENT**

Passive House Institute



## Validated installations

Formwork blocks (operable)	Lightweight timber (operable)	Exterior insulation and finishing system (EIFS) (operable)
$U_{\text{Wall}} = 0.15 \text{ W}/(\text{m}^2 \text{ K})$	$U_{\text{Wall}} = 0.13 \text{ W}/(\text{m}^2 \text{ K})$	$U_{\text{Wall}} = 0.15 \text{ W}/(\text{m}^2 \text{ K})$
		
$\Psi_{\text{install}}$ W/(m K)	$\Psi_{\text{install}}$ W/(m K)	$\Psi_{\text{install}}$ W/(m K)
Top 0.013	Top 0.013	Top 0.010
Side 0.013	Side 0.013	Side 0.010
Bottom 0.018	Bottom 0.017	Bottom 0.029
$U_{W,\text{installed}} = 0.84 \text{ W}/(\text{m}^2 \text{ K})$	$U_{W,\text{installed}} = 0.84 \text{ W}/(\text{m}^2 \text{ K})$	$U_{W,\text{installed}} = 0.84 \text{ W}/(\text{m}^2 \text{ K})$

Frame values	Frame width $b_f$ mm	$U$ -value frame $U_f$ W/(m <sup>2</sup> K)	$\Psi$ -glazing edge $\Psi_g$ W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Mullion 2 casements (2M1) 	304	0.82	0.021	0.76
Bottom (OB1) 	180	0.90	0.021	0.76
Top (OH1) 	180	0.79	0.021	0.76
Lateral (OJ1) 	180	0.79	0.021	0.76
Spacer: MULTITECH		Secondary seal: Polyurethan		

