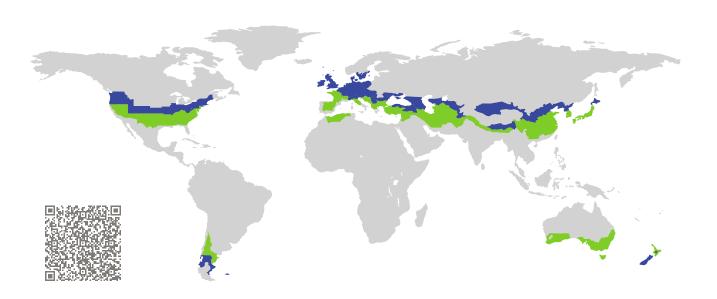
# **CERTIFICATE**

**Certified Passive House Component** 

Component-ID 2193wi03 valid until 31st December 2025

Passive House Institute Dr. Wolfgang Feist 64283 Darmstadt Germany



Category: Window Frame

Manufacturer: BAOJI MING YA CURTAIN WALL

DOOR AND WINDOW CO.,LTD.,

Baoji, Shaanxi Province,

China

Product name: MING YA-108 System Passive

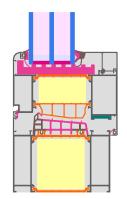
Window

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

Comfort  $U_W = 0.78 \le 0.80 \,\mathrm{W/(m^2\,K)}$ 

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

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





## BAOJI MING YA CURTAIN WALL DOOR AND WINDOW CO.,LTD.

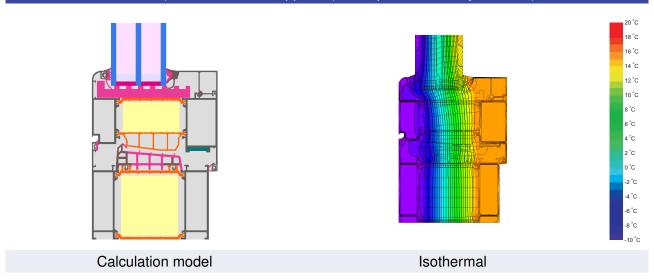
BLOCK L, PHASE I, HIGH-END EQUIPMENT PETROLEUM INDUSTRY PARK, HIGH-TECH DEVELOPMENT ZONE, 721000 Baoji, Shaanxi Province, China

★ +86 0917 2769 901 | 

547759963@qq.com | 

http://www.haomymc.com | 

http://www.haomymc.com |



#### **Description**

Aluminium frame with thermal separation (low lambda PA 0.21 W/(mK)) and insulation (Kooltherm 0.022 W/(mK)) and EPDM foam 0.05 W/(mK)); Pane thickness: 51 mm (5/18/5/18/5); Rebate depth: 14 mm; Spacer: Technoform-Spacer SP16; Secondary sealing: Silicone

### **Explanation**

The window U-values were calculated for the test window size of 1.23 m  $\times$  1.48 m with  $U_g = 0.70$  W/(m<sup>2</sup> K). If a higher quality glazing is used, the window U-values will improve as follows:

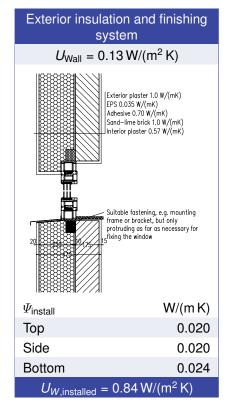
Glazing 
$$U_g = \begin{bmatrix} 0.70 & 0.64 & 0.58 & 0.54 & W/(m^2 \text{ K}) \\ \downarrow & \downarrow & \downarrow & \downarrow \\ \text{Window } U_W = \begin{bmatrix} 0.78 & 0.75 & 0.71 & 0.69 & W/(m^2 \text{ K}) \\ \end{bmatrix}$$

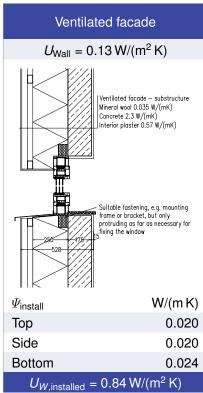
Transparent building components are classified into efficiency classes depending on the heat losses through the opaque part. The frame U-Values, frame widths, thermal bridges at the glazing edge, and the glazing edge lengths are included in these heat losses. A more detailed report of the calculations performed in the context of certification is available from the manufacturer.

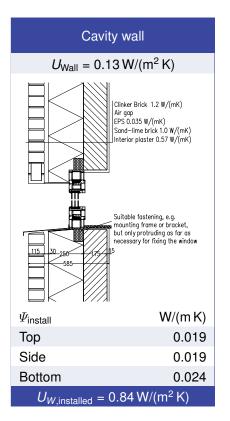
The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense to use a component of a higher thermal quality which has been certified for a climate zone with more stringent requirements.

Further information relating to certification can be found on www.passivehouse.com and passipedia.org.

#### Validated installations







Frame values		Frame width b <sub>f</sub> mm	<i>U</i> -value frame <i>U<sub>f</sub></i> W/(m² K)	$\Psi$ -glazing edge $\Psi_{\mathcal{G}}$ W/(m K)	Temp. Factor f <sub>Rsi=0.25</sub> [-]
Transom 1 casement	(1T1)	153	0.82	0.028	0.73
Bottom	(OB1)	156	0.74	0.028	0.75
Тор	(OH1)	156	0.74	0.028	0.75
Lateral	(OJ1)	156	0.74	0.028	0.75
Spacer: Technoform-Spacer SP16 Secondary seal: Silicone					

