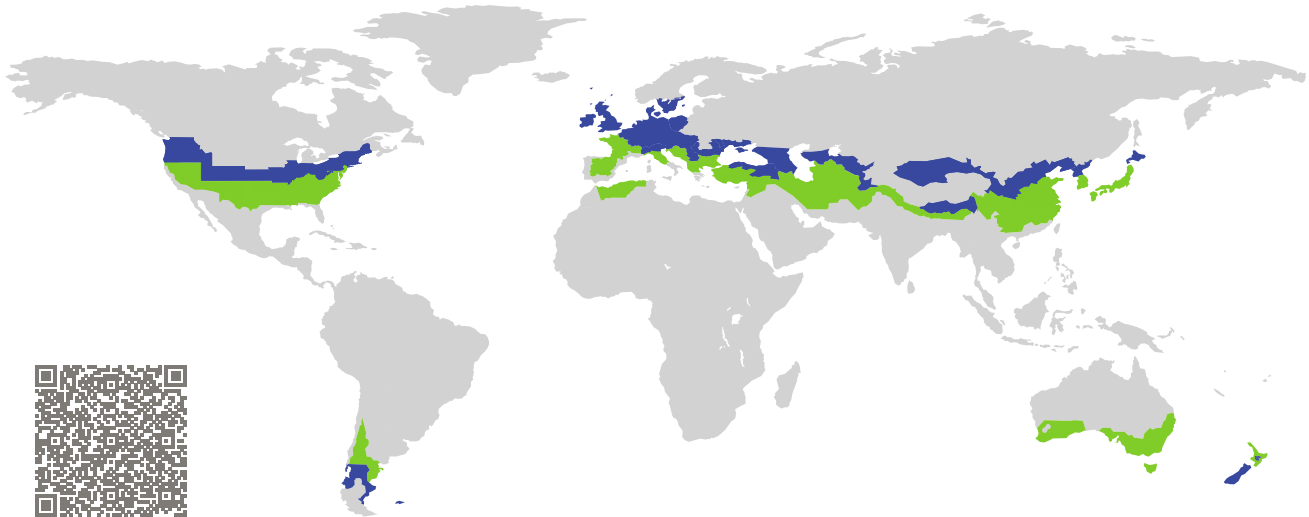


CERTIFICATE

Certified Passive House Component

Component-ID 0962sl03 valid until 31st December 2018

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

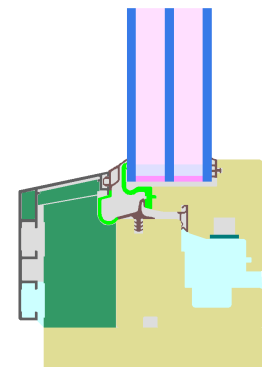


Category: **Sliding Door**
Manufacturer: **Beijing Milan Window Energy Saving Building Materials Co.,Ltd, BEIJING, People's Republic of China**
Product name: **Milux Passive 135**

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

Comfort $U_{SL} = 0.79 \leq 0.80 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{SL, \text{installed}} \leq 0.85 \text{ W}/(\text{m}^2 \text{ K})$
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



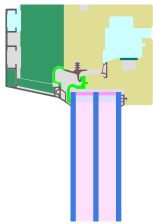
**CERTIFIED
COMPONENT**


Passive House Institute

Frame values			Frame width b_f mm	U-value frame U_f W/(m ² K)	Ψ -panel edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Top	(to)		93	0.88	0.029	0.71
Side	(s)		93	0.82	0.028	0.71
Top fixed	(tof)		93	0.78	0.029	0.71
Side fixed	(sf)		93	0.76	0.028	0.71
Bottom fixed	(bof)		116	0.84	0.028	0.71
Threshold	(th)		116	0.90	0.028	0.71
Mullion 1 casement	(m1)		133	0.90	0.028	0.71
Spacer: SWISSPACER Ultimate				Secondary seal: Polysulfide		

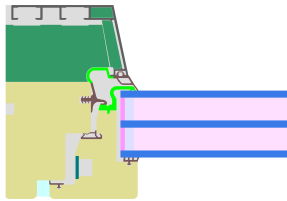
 Top


$b_f = 93.00$ mm
 $U_f = 0.88$ W/(m² K)
 $\Psi_g = 0.029$ W/(m K)
 $f_{Rsi} = 0.71$



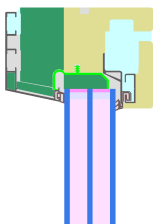
 Side

$b_f = 93.00$ mm
 $U_f = 0.82$ W/(m² K)
 $\Psi_g = 0.028$ W/(m K)
 $f_{Rsi} = 0.71$



 Top
fixed

$b_f = 93.00$ mm
 $U_f = 0.78$ W/(m² K)
 $\Psi_g = 0.029$ W/(m K)
 $f_{Rsi} = 0.71$





Side

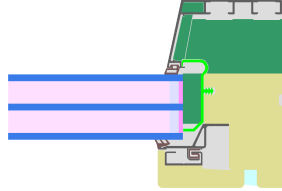
fixed

$$b_f = 93.00 \text{ mm}$$

$$U_f = 0.76 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0.028 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0.71$$



Bottom

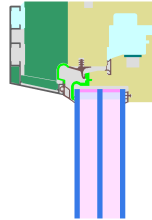
fixed

$$b_f = 116.00 \text{ mm}$$

$$U_f = 0.84 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0.028 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0.71$$



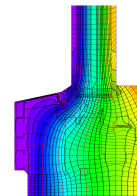
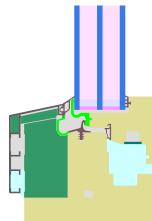
Threshold

$$b_f = 116.00 \text{ mm}$$

$$U_f = 0.90 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0.028 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0.71$$



Mullion

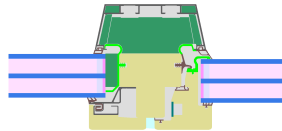
1 casement

$$b_f = 133.00 \text{ mm}$$

$$U_f = 0.90 \text{ W}/(\text{m}^2 \text{ K})$$

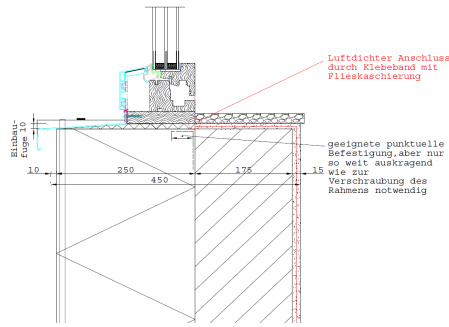
$$\Psi_g = 0.028 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0.71$$



Exterior insulation and finishing s. (EIFS)
bottom (operable)

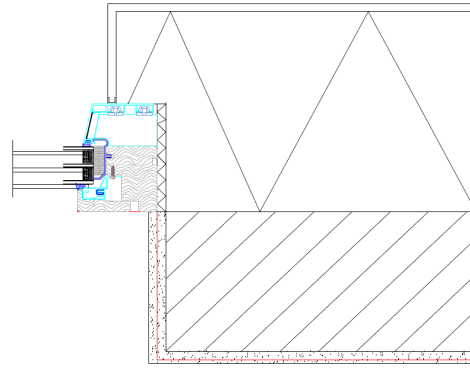
$$U_1 = 0.13 \quad U_2 = 0.14 \quad [\text{W}/(\text{m}^2 \text{K})]$$



$$\Psi_{\text{install}} = 0.01 \text{ W}/(\text{m K})$$

Exterior insulation and finishing s (EIFS)
side (fixed glazed)

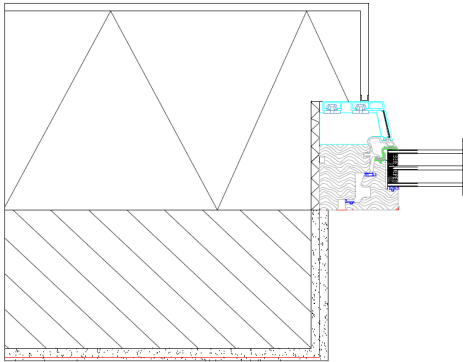
$$U_1 = 0.13 \quad [\text{W}/(\text{m}^2 \text{K})]$$



$$\Psi_{\text{install}} = 0.01 \text{ W}/(\text{m K})$$

Exterior insulation and finishing s (EIFS)
side (operable)

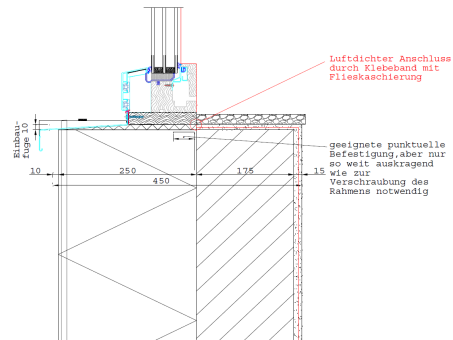
$$U_1 = 0.13 \quad [\text{W}/(\text{m}^2 \text{K})]$$



$$\Psi_{\text{install}} = 0.01 \text{ W}/(\text{m K})$$

Exterior insulation and finishing system
(EIFS) bottom (fixed)

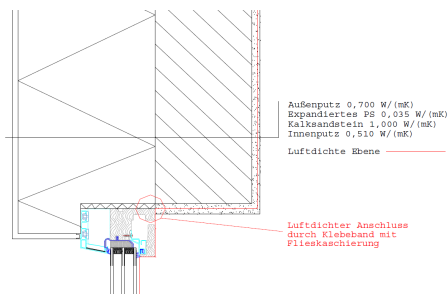
$$U_1 = 0.13 \quad U_2 = 0.14 \quad [\text{W}/(\text{m}^2 \text{K})]$$



$$\Psi_{\text{install}} = 0.01 \text{ W}/(\text{m K})$$

Exterior insulation and finishing system
(EIFS) (fixed glazed)

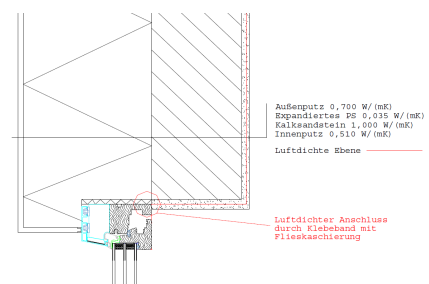
$$U_1 = 0.13 \quad [\text{W}/(\text{m}^2 \text{K})]$$



$$\Psi_{\text{install}} = 0.01 \text{ W}/(\text{m K})$$

Exterior insulation and finishing system
(EIFS) (operable)

$$U_1 = 0.13 \quad [\text{W}/(\text{m}^2 \text{K})]$$



$$\Psi_{\text{install}} = 0.01 \text{ W}/(\text{m K})$$

