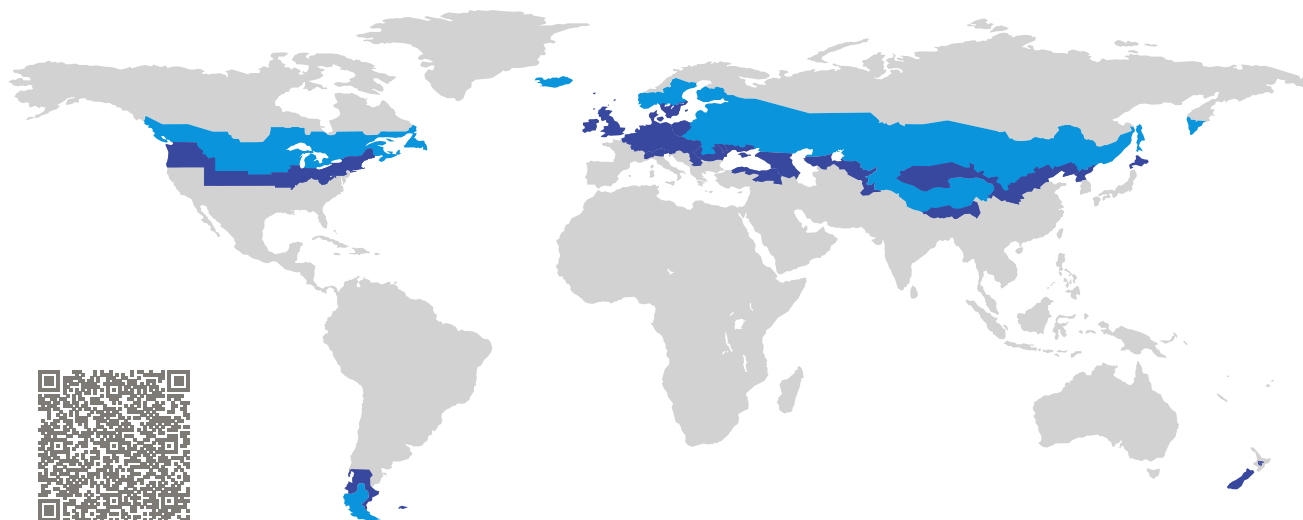


ZERTIFIKAT

Zertifizierte Passivhaus-Komponente

Komponenten-ID 1459ws02 gültig bis 31. Dezember 2019

Passivhaus Institut
Dr. Wolfgang Feist
64283 Darmstadt
Deutschland

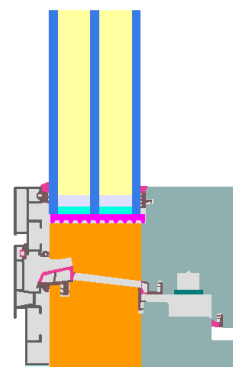


Kategorie: **Fenster System**
Hersteller: **Hebei Orient Sundar Window Co., Ltd., Gaobeidian City, Hebei Province, China, Volksrepublik**
Produktname: **All Climate Passive 126 C+ cold**

Folgende Kriterien für die kalte Klimazone wurden geprüft

Behaglichkeit $U_W = 0,60 \leq 0,60 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{W,\text{eingebaut}} \leq 0,65 \text{ W}/(\text{m}^2 \text{ K})$
mit $U_g = 0,52 \text{ W}/(\text{m}^2 \text{ K})$

Hygiene $f_{Rsi=0,25} \geq 0,75$
Luftdichtheit $Q_{100} = 0,23 \leq 0,25 \text{ m}^3/(\text{h m})$



Passivhaus-
Effizienzklasse

phE

phD

phC

phB

phA


kaltes Klima



**ZERTIFIZIERTE
KOMPONENTE**

Passivhaus Institut

Rahmen-Kennwerte			Rahmenbreite	Rahmen- U -Wert	Glasrand- Ψ -Wert	Temperaturfaktor
			b_f mm	U_f W/(m ² K)	Ψ_g W/(m K)	$f_{Rsi=0,25}$ [-]
Oben	(to)		102	0,58	0,025	0,76
Seite	(s)		102	0,58	0,025	0,76
Unten	(bo)		102	0,58	0,025	0,76
Oben fest	(tof)		74	0,58	0,023	0,76
Seite fest	(sf)		74	0,58	0,023	0,76
Unten fest	(bof)		74	0,58	0,023	0,76
Stulp	(fm)		116	0,59	0,025	0,76
Pfosten fest	(m)		115	0,58	0,023	0,76
Pfosten 1 Flügel	(m1)		143	0,59	0,024	0,75
Pfosten 2 Flügel	(m2)		171	0,60	0,025	0,76
Riegel fest	(tf)		115	0,58	0,023	0,76
Riegel 1 Flügel	(t1)		143	0,59	0,024	0,75
Riegel 2 Flügel	(t2)		171	0,60	0,025	0,76
			Abstandhalter:	Sekundär Dichtung:		



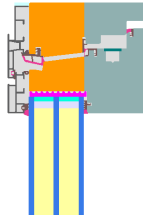
Oben

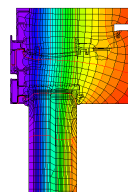
$b_f = 102,00 \text{ mm}$

$U_f = 0,58 \text{ W/(m}^2 \text{ K)}$

$\Psi_g = 0,025 \text{ W/(m K)}$

$f_{Rsi} = 0,76$







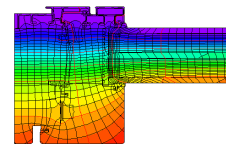
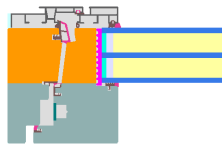
Seite

$$b_f = 102,00 \text{ mm}$$

$$U_f = 0,58 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,025 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$



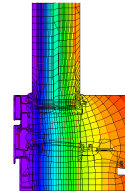
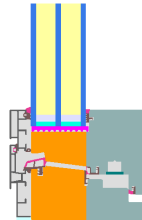
Unten

$$b_f = 102,00 \text{ mm}$$

$$U_f = 0,58 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,025 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$



Oben

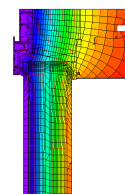
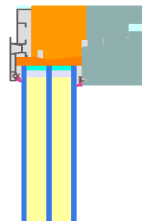
fest

$$b_f = 74,00 \text{ mm}$$

$$U_f = 0,58 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,023 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$



Seite

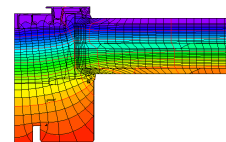
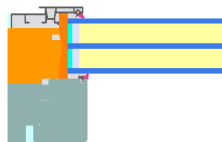
fest

$$b_f = 74,00 \text{ mm}$$

$$U_f = 0,58 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,023 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$



Unten

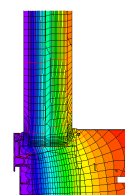
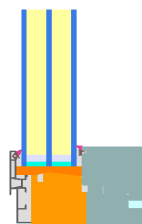
fest

$$b_f = 74,00 \text{ mm}$$

$$U_f = 0,58 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,023 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$





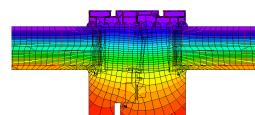
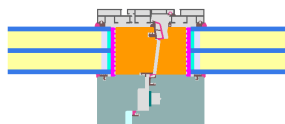
Stulp

$$b_f = 116,00 \text{ mm}$$

$$U_f = 0,59 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,025 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$



Pfosten

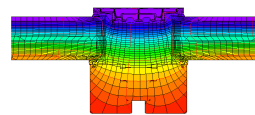
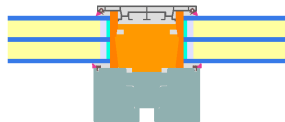
fest

$$b_f = 115,00 \text{ mm}$$

$$U_f = 0,58 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,023 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$



Pfosten

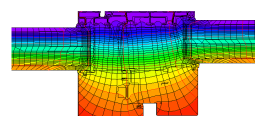
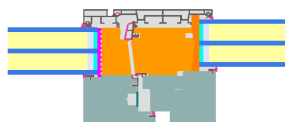
1 Flügel

$$b_f = 143,00 \text{ mm}$$

$$U_f = 0,59 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,024 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,75$$



Pfosten

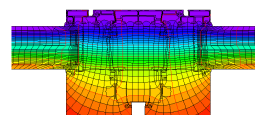
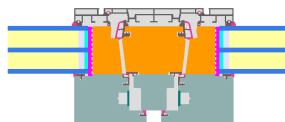
2 Flügel

$$b_f = 171,00 \text{ mm}$$

$$U_f = 0,60 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,025 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$



Riegel

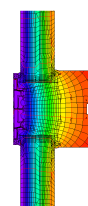
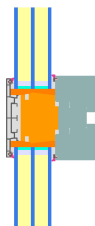
fest

$$b_f = 115,00 \text{ mm}$$

$$U_f = 0,58 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,023 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,76$$





Riegel

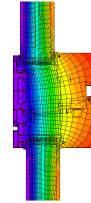
1 Flügel

$$b_f = 143,00 \text{ mm}$$

$$U_f = 0,59 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,024 \text{ W}/(\text{m K})$$

$$f_{Rsi} = 0,75$$



Riegel

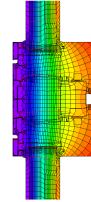
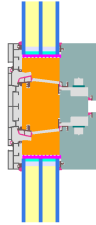
2 Flügel

$$b_f = 171,00 \text{ mm}$$

$$U_f = 0,60 \text{ W}/(\text{m}^2 \text{ K})$$

$$\Psi_g = 0,025 \text{ W}/(\text{m K})$$

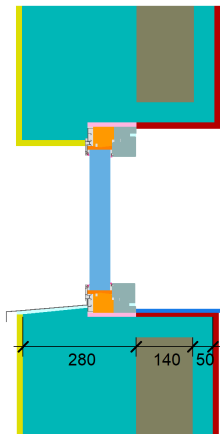
$$f_{Rsi} = 0,75$$



Geprüfte Einbausituationen

Betonschalungsstein (fest verglast)

$$U_{Wand} = 0,10 \text{ W}/(\text{m}^2 \text{ K})$$

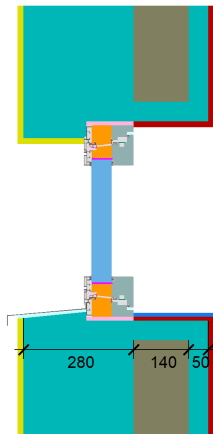


Ψ_{einbau}	W/(m K)
Oben	0,011
Links	0,011
Rechts	0,011
Unten	0,013

$$U_{W,\text{eingebaut}} = 0,63 \text{ W}/(\text{m}^2 \text{ K})$$

Betonschalungsstein (öffnbar)

$$U_{Wand} = 0,10 \text{ W}/(\text{m}^2 \text{ K})$$

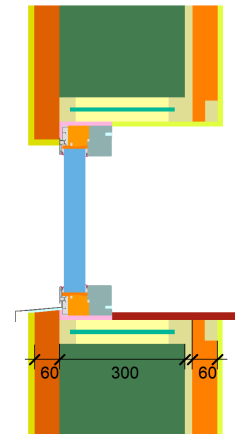


Ψ_{einbau}	W/(m K)
Oben	0,011
Links	0,011
Rechts	0,011
Unten	0,013

$$U_{W,\text{eingebaut}} = 0,63 \text{ W}/(\text{m}^2 \text{ K})$$

Holzleichtbau (fest verglast)

$$U_{Wand} = 0,10 \text{ W}/(\text{m}^2 \text{ K})$$



Ψ_{einbau}	W/(m K)
Oben	0,020
Links	0,017
Rechts	0,017
Unten	0,022

$$U_{W,\text{eingebaut}} = 0,64 \text{ W}/(\text{m}^2 \text{ K})$$

