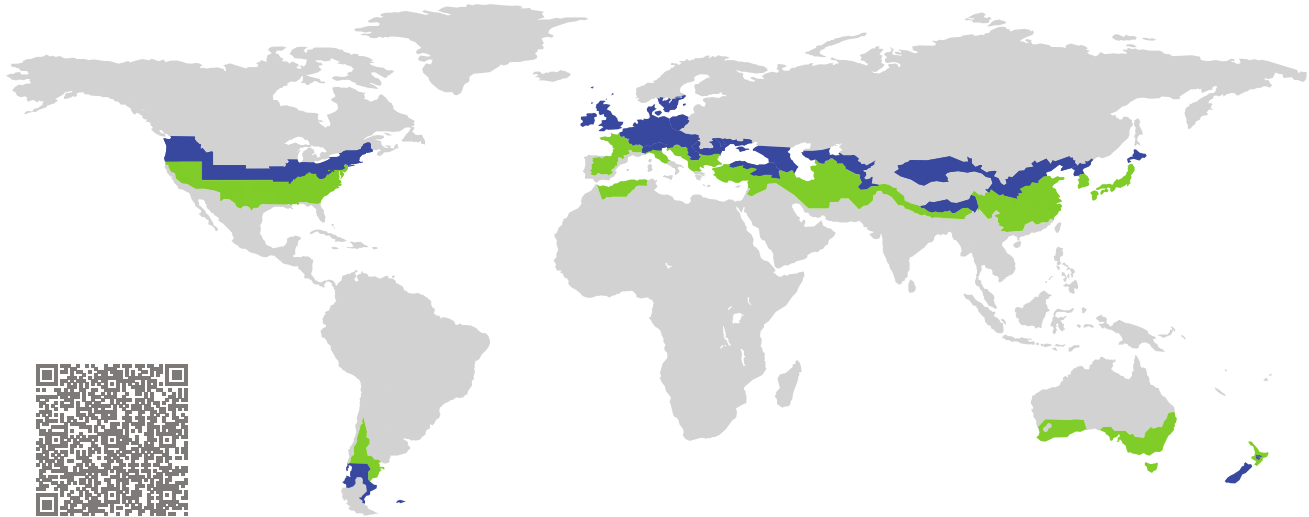


CERTIFICATE

Certified Passive House Component

Component-ID 0822wc03 valid until 31st December 2025

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

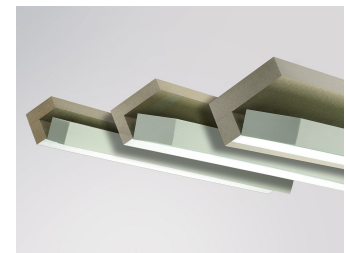


Category: **Window mounting system**
Manufacturer: **ISO-Chemie GmbH,
Aalen,
Germany**
Product name: **ISO-TOP WINFRAMER "TYP 1"**

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

Efficiency $\Delta U \leq 0.05 \text{ W}/(\text{m}^2 \cdot \text{K})$

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



cool, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute

Description




PHI Standard-frame thermal conductivity of representative material: 0,086 W/(mK) Pane thickness: 44 mm (4/16/4/16/4), rebate depth: 18 mm, spacer: SuperSpacer Tri-Seal.

Explanation

The certifiability is demonstrated by the increase of the heat transfer coefficient ΔU [W/(m² K)] caused by the installation thermal bridge (efficiency criterion) in conjunction with given installation situations and window frames as well as by the minimum temperature factor at the coldest point of the installation connection (hygiene criterion). The heat transfer coefficients (U-values) and the thermal bridge loss coefficients (Ψ -values) of the window are determined on the basis of DIN EN ISO 10077-2, the installation thermal bridges according to ISO 10211. 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

Cavity wall (operable)		Exterior insulation and finishing system (EIFS) (operable)		Formwork blocks (operable)	
$\Psi_{install}$	W/(m K)	$\Psi_{install}$	W/(m K)	$\Psi_{install}$	W/(m K)
Top	0.002	Top	0.009	Top	0.005
Side	0.002	Side	0.009	Side	0.005
Bottom	0.018	Bottom	0.032	Bottom	0.023
$U_{W,installed} = 0.81$ W/(m ² K)		$U_{W,installed} = 0.84$ W/(m ² K)		$U_{W,installed} = 0.82$ W/(m ² K)	

Timber/PVC Frame values		Frame width b_f mm	U -value frame U_f W/(m ² · K)	ψ -glazing edge ψ_g W/(m · K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Bottom	(OB1) 	125	0.73	0.036	0.70
Top	(OH1) 	125	0.73	0.036	0.70
Lateral	(OJ1) 	125	0.73	0.036	0.70
Spacer: PHI pHB-Spacer			Secondary seal: Polysulfide		

