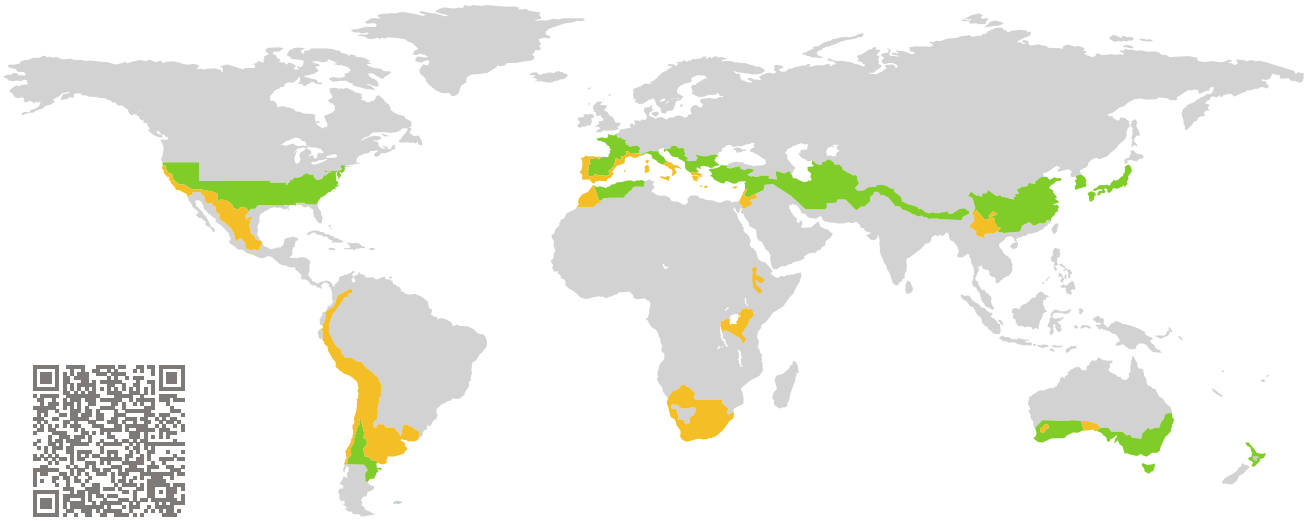
CERTIFICATE

Certified Passive House Component

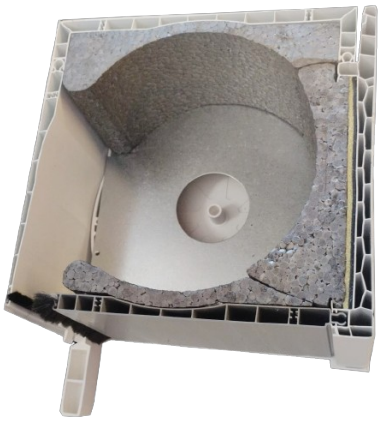
Component-ID 2297rs04 valid until 31st December 2025

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category:	**Sun protection (Roller shutter)**
Manufacturer:	**PERFILES PLECK, S.A.L., Benissa, Alicante, Spain**
Product name:	**PREMIUM 200** **PREMIUM 200 PLUS**

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



Efficiency:	ΔU	$\leq$	0.16 W/(m²K)
Hygiene:	$f_{Rsi=0.25}$	$\geq$	0.65

warm, temperate climate

CERTIFIED COMPONENT

Passive House Institute

PERFILES PLECK, S.A.L.
C/ EDISON, 7, 03720 Benissa, Alicante, Spain
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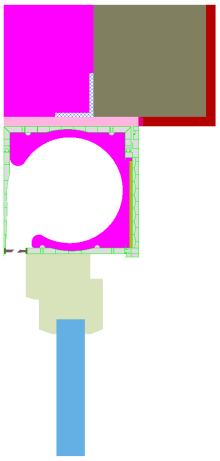
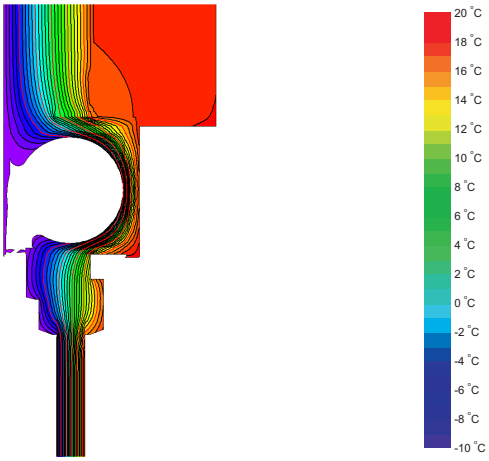


Calculation model



Isothermal

Description

PVC Roller shutter box with EPS (0.032 W/(mK)) thermal insulation. Soundproofing membrane 3.9 mm thick in PREMIUM 200 PLUS model. Casing height: 200 mm, maximum shading length 2500 mm including the roller shutter box. PHI standard frame representing a wooden or vinyl frame. Conductivity: 0.113 W/(mK). Depth: 100 mm. Pane thickness: 44 mm (4/16/4/16/4). Rebate depth: 23mm. Spacer: PHI class phB with polysulfide as secondary seal.

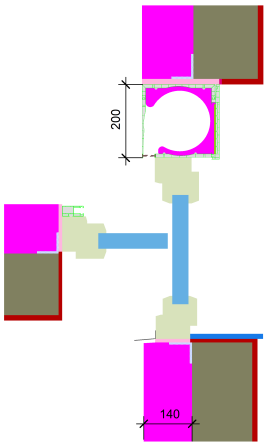
The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense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

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	0.92	0.038	0.67
Top	(OH1)		125	0.92	0.038	0.67
Side	(OJ1)		125	0.92	0.038	0.67
Spacer: PHI phB-Spacer				Secondary seal: Polysulfide		

Validated installations

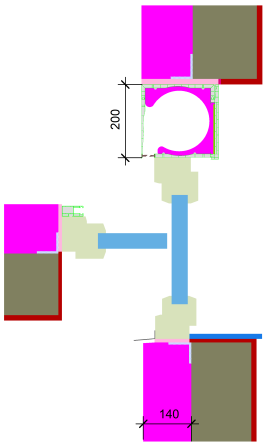
Exterior insulation and finishing system (EIFS)	
U_{Wall} = 0.22 W/(m² · K)	



$\Psi_{install}$	W/(m · K)
Top	0.190
Side	0.007
Bottom	0.017
$U_{W,installed}$ = 1.15 W/(m² · K)	

Window size: 1.23 m × 1.48 m

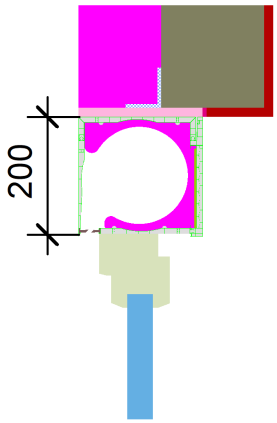
Exterior insulation and finishing system (EIFS)	
U_{Wall} = 0.22 W/(m² · K)	



$\Psi_{install}$	W/(m · K)
Top	0.190
Side	0.007
Bottom	0.017
$U_{W,installed}$ = 1.10 W/(m² · K)	

Window size: 1.1 m × 2.2 m

EIFS (200 mm casement)
U_1 = 0.22 [W/(m² · K)]



$\Psi_{install}$ = 0.19 W/(m · K)