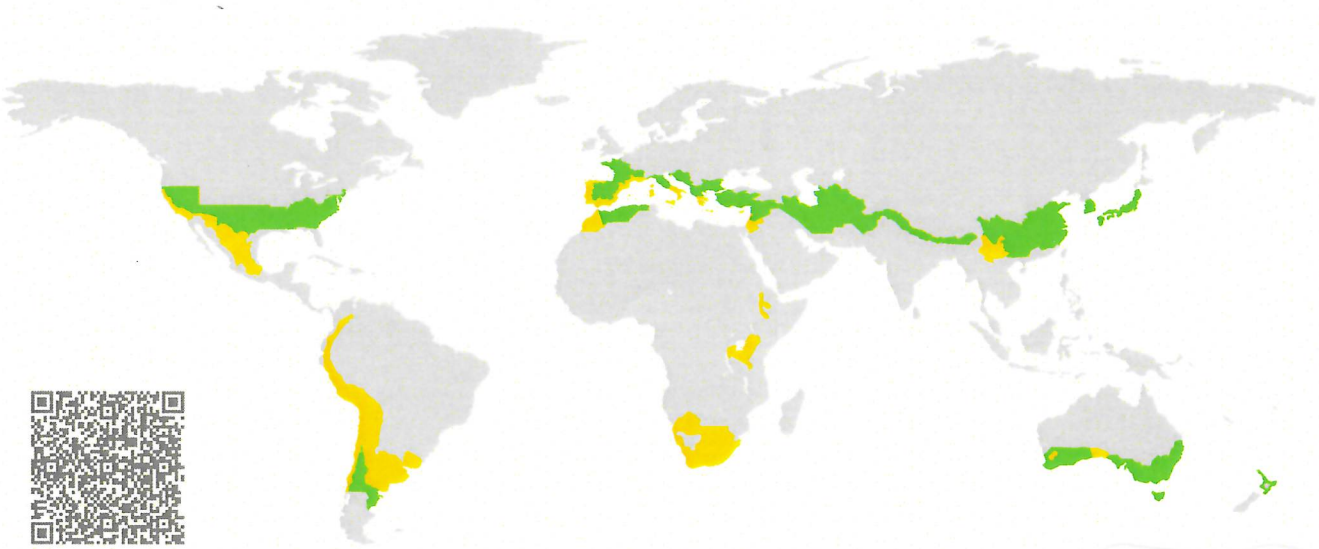
CERTIFICATE

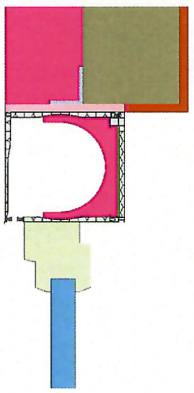
Certified Passive House Component

Component-ID 2048rs04 valid until 31st December 2025

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category:	**Sun protection (Roller shutter)**
Manufacturer:	**(LAVIUDA) VIUDA DE RAFAEL ESTEVAN GIMÉNEZ, S.L., Sax, Spain**
Product name:	**REGILUX 200 RTX 3P PASSIV**



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

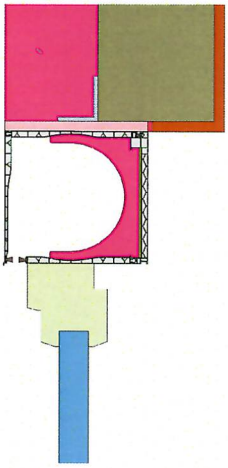
Efficiency $\Delta U = 0.13 < 0.16$ W/(m²K)

Hygiene $f_{Rsi=0.25} \geq 0.65$

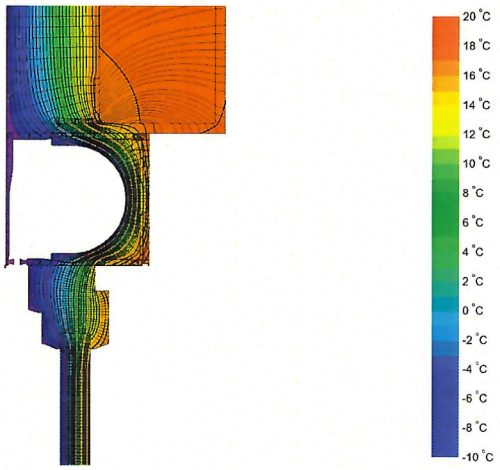
warm, temperate climate

CERTIFIED COMPONENT
Passive House Institute

(LAVIUDA) VIUDA DE RAFAEL ESTEVAN GIMÉNEZ, S.L.
Pº INDUSTRIAL VINALOPO S/N, 03630 Sax, Spain
☎ (+34) 965 474 000 – 001 | ✉ | http://www.laviuda.es |



Calculation model



Isothermal

Description

Roller shutter box multi-cavity vinyl with EPS insulation (0.032 W/(mK)). Casing height = 200 mm, maximum shading length up to 2800 mm, see table with shading options. Frame options: 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. PVC frame with PU foam (IKD®, 0.026 W/(mK)) insulated chamber. Pane thickness: 48 mm (4/18/4/18/4), rebate depth: 23 mm. Spacer: SWISSPACER Ultimate with polyurethane as secondary seal. PVC frame + sash with steel reinforcement (thermal break PUR (0,25 W/m·K)). Glass 48 mm (4/18/4/18/4). SWISSPACER Ultimate with polysulfid. Pane thickness: 48 mm (4/18/4/18/4), rebate depth: 25 mm.

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.

Frame values		Frame width b_f mm	U-value frame U_f W/(m² · 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
Lateral	(OJ1)	125	0.92	0.038	0.67

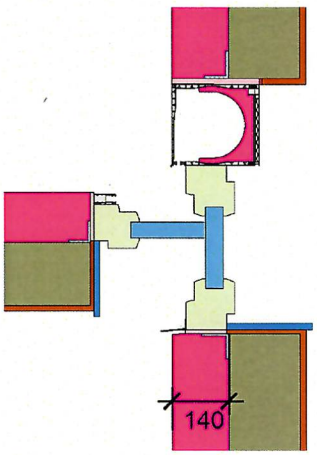
Spacer: PHI phB-Spacer Secondary seal: Polysulfid

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

Validated installations (1.23 m x 1.48 m)

Exterior insulation and finishing system

U_{Wall} = 0.22 W/(m² · K)

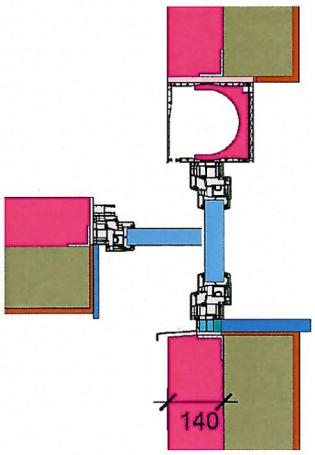


$\Psi_{install}$	W/(m · K)
Top	0.161
Side	0.007
Bottom	0.016

$U_{W,installed}$ = 1.13 W/(m² · K)

Gealan S9000 EIFS

U_{Wall} = 0.22 W/(m² · K)

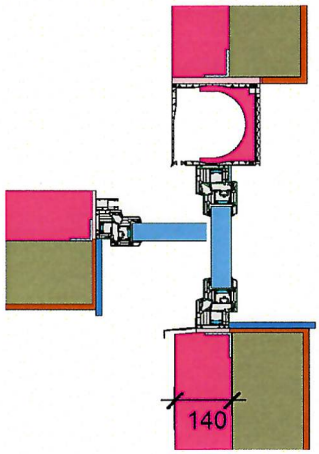


$\Psi_{install}$	W/(m · K)
Top	0.155
Side	0.008
Bottom	0.033

$U_{W,installed}$ = 1.14 W/(m² · K)

Veka S-82 EIFS

U_{Wall} = 0.22 W/(m² · K)



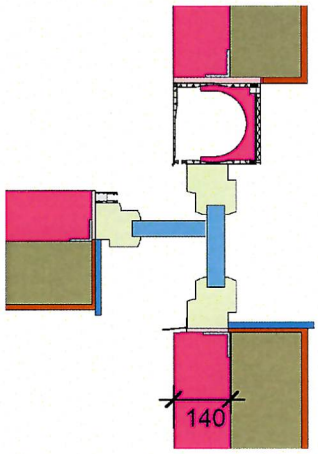
$\Psi_{install}$	W/(m · K)
Top	0.155
Side	0.009
Bottom	0.022

$U_{W,installed}$ = 1.13 W/(m² · K)

Validated installations (1.10 m x 2.20 m)

Exterior insulation and finishing system

U_{Wall} = 0.22 W/(m² · K)

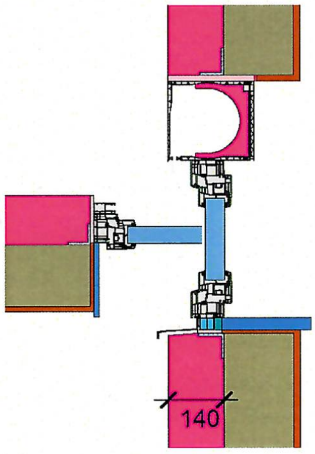


$\Psi_{install}$	W/(m · K)
Top	0.161
Side	0.007
Bottom	0.016

$U_{W,installed}$ = 1.09 W/(m² · K)

Gealan S9000 EIFS

U_{Wall} = 0.22 W/(m² · K)

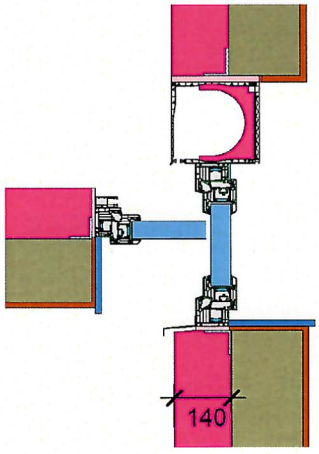


$\Psi_{install}$	W/(m · K)
Top	0.155
Side	0.008
Bottom	0.033

$U_{W,installed}$ = 1.10 W/(m² · K)

Veka S-82 EIFS

U_{Wall} = 0.22 W/(m² · K)

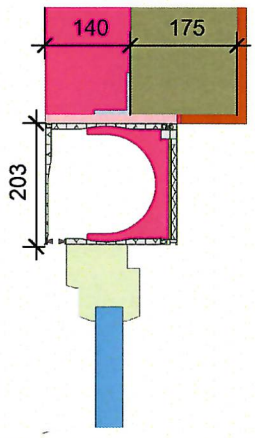


$\Psi_{install}$	W/(m · K)
Top	0.155
Side	0.009
Bottom	0.022

$U_{W,installed}$ = 1.10 W/(m² · K)

Shading 140 mm insulation

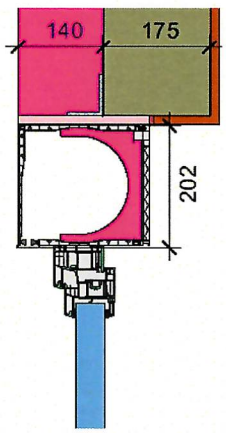
$U_1 = 0.22$ [W/(m² · K)]



$\Psi_{install} = 0.16$ W/(m · K)

Gealan S9000 140 mm insulation

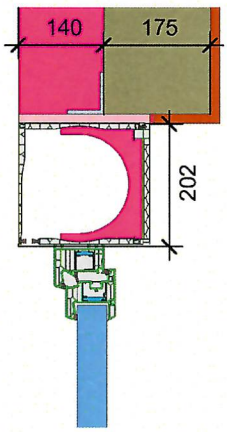
$U_1 = 0.22$ [W/(m² · K)]



$\Psi_{install} = 0.16$ W/(m · K)

Veka S-82 140 mm insulation

$U_1 = 0.22$ [W/(m² · K)]



$\Psi_{install} = 0.16$ W/(m · K)