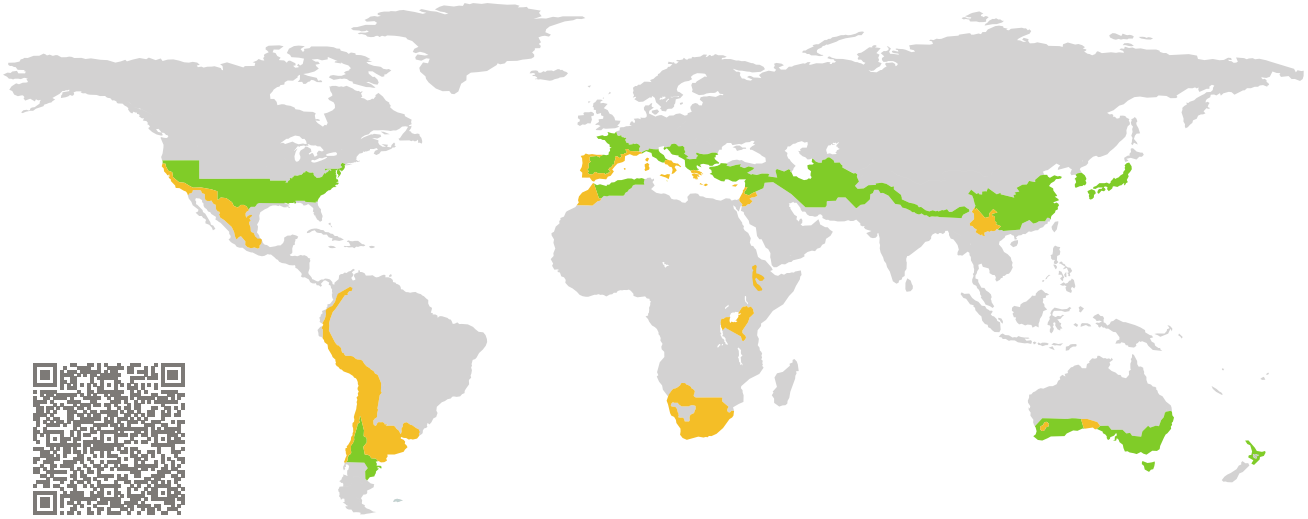
CERTIFICATE

Certified Passive House Component

Component-ID 2038rs04 valid until 31st December 2025

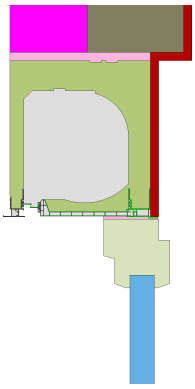
Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category: **Sun protection (Roller shutter)**

Manufacturer: **CAJAISLANT GRUPO, S.L.U., Sentmenat, Spain**

Product name: **CAJAISLANT NEO**



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

Efficiency: $\Delta U = 0.15 \leq 0.16$ W/(m²K)

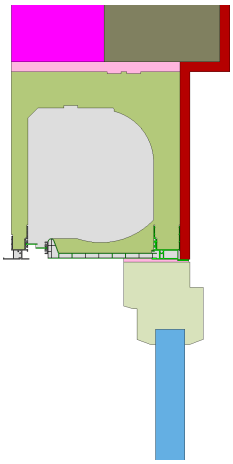
Hygiene $f_{Rsi=0.25} \geq 0.65$

warm, temperate climate

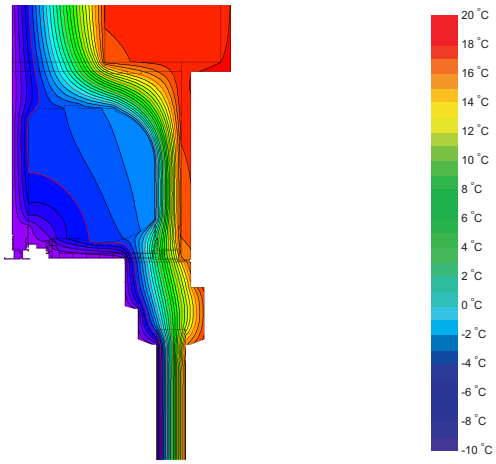
CERTIFIED COMPONENT

Passive House Institute

CAJAISLANT GRUPO, S.L.U.
Torrent de Baiell, 38A-C, 08181 Sentmenat, Spain
☎ +34 6293 79 070 | ✉ info@cajaislant.com | http://cajaislant.com |



Calculation model



Isothermal

Description

Roller shutter with vinyl structure and aluminium facing shell serving as a plaster connection, insulated with EPS (0.032 W/(mK) insulation. Different lamella options with shading length up to 3.6m. Casing height = 285 mm. Frame and shutter installation with prefabricated installation modules possible. 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.

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

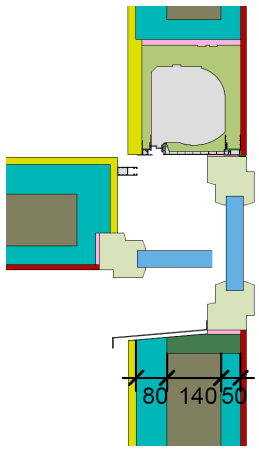
The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense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

Formwork blocks (operable)

U_{Wall} = 0.25 W/(m² · K)



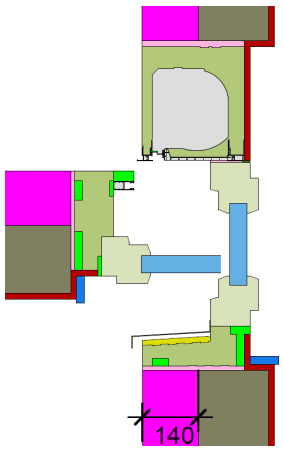
$\Psi_{install}$	W/(m · K)
Top	0.064
Side	0.016
Bottom	0.042

$U_{W,installed}$ = 1.10 W/(m² · K)

1.23 m x 1.48 m

Exterior insulation and finishing system (EIFS) (operable)

U_{Wall} = 0.22 W/(m² · K)



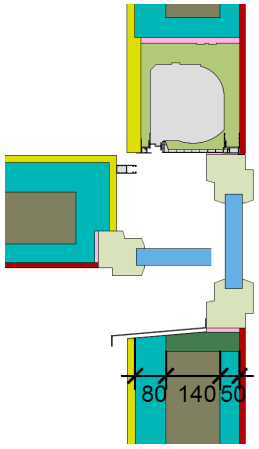
$\Psi_{install}$	W/(m · K)
Top	0.094
Side	0.032
Bottom	0.053

$U_{W,installed}$ = 1.15 W/(m² · K)

1.23 m x 1.48 m

Formwork blocks (operable)

U_{Wall} = 0.25 W/(m² · K)



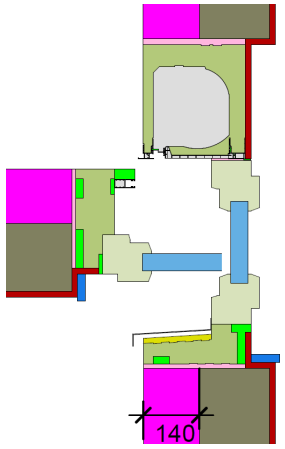
$\Psi_{install}$	W/(m · K)
Top	0.064
Side	0.016
Bottom	0.042

$U_{W,installed}$ = 1.08 W/(m² · K)

1.10 m x 2.20 m

Exterior insulation and finishing system (EIFS) (operable)

U_{Wall} = 0.22 W/(m² · K)



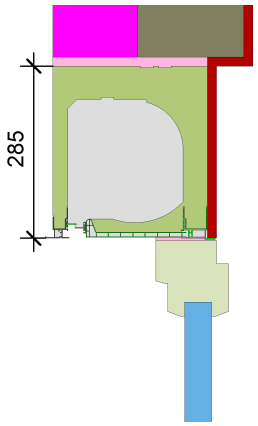
$\Psi_{install}$	W/(m · K)
Top	0.094
Side	0.032
Bottom	0.053

$U_{W,installed}$ = 1.12 W/(m² · K)

1.10 m x 2.20 m

Shading EIFS

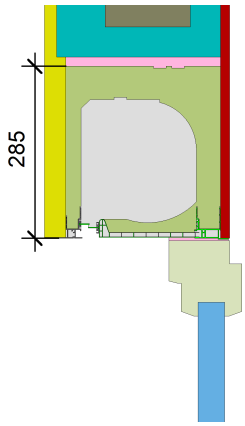
U_1 = 0.22 [W/(m^2 · K)]



$\Psi_{install}$ = 0.09 W/(m · K)

Shading Insulated formwork blocks

U_1 = 0.25 [W/(m^2 · K)]



$\Psi_{install}$ = 0.06 W/(m · K)