

# Certificate

Certified Passive House Premium

homeGrid<sup>®</sup> Authorised  
by:



Casa JLIS

Portugal



Client	
Architect	Rui Santos
Building Services	Climacom
Energy Consultant	Esperança Isabel Vieira Lopes de Azevedo

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Premium' standard:

Building quality			This building		Criteria	Alternative criteria
Heating	Heating demand [kWh/(m <sup>2</sup> a)]		6	≤	15	-
	Heating load [W/m <sup>2</sup> ]		7	≤	-	10
Cooling	Cooling + dehumidification demand [kWh/(m <sup>2</sup> a)]		1	≤	15	
	Frequency of excessively high humidity [%]		7	≤	10	
Airtightness						
	Pressurization test result (n <sub>50</sub> ) [1/h]		0.3	≤	0.6	
Renewable primary energy (PER)						
	PER-demand [kWh/(m <sup>2</sup> a)]		25	≤	30	25
	Generation (reference to ground area) [kWh/(m <sup>2</sup> a)]		120	≥	120	114

The associated certification booklet contains more characteristic values for this building.

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11/09/2025

Certifier: João Marcelino, Homegrid, Lda