

# Certificate

## Passive House Tradesperson



Dr. Wolfgang Feist  
64283 Darmstadt  
Germany  
[www.passivehouse.com](http://www.passivehouse.com)

Valid until 11th August 2020

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**João Aleixo**

Date of birth: 31st January 1961

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is hereby granted to use the seal depicted below until the expiration of this certificate in five years' time. During the validity period the recipient will be listed as a Certified Passive House Tradesperson online at [www.passivehouse-trades.org](http://www.passivehouse-trades.org). The awarded title and seal are to be used only in conjunction with the recipient's name.

The qualification was obtained in accordance with the examination regulations from 1st April 2012 and awarded upon successful completion of the Certified Passive House Tradesperson examination.

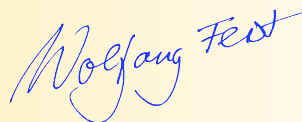
The examination was held on 19th June 2015 in Faro, Portugal, by Homegrid, LDA / Marcelino, Joao.

In addition to Passive House Basics, the examination had the following specialisation:

**Building Envelope**       **Building Services**



Darmstadt,  
11th August 2015

A handwritten signature in blue ink that reads 'Wolfgang Feist'.

Prof. Dr. Wolfgang Feist

A Passive House is a building, in which thermal comfort [ISO 7730] can be provided solely by post-heating or post-cooling of the fresh airflow which is required for good indoor air quality [DIN 1946] - without using additional recirculated air.

{Definition}

## **Certified Passive House Tradesperson - Specialisation Building Envelope**

### **General principles / Passive House Basics**

- Passive House criteria
- The 5 basic Passive House principles
- Building physics and ecology
- Airtightness
- Construction process and quality assurance
- Economic aspects

### **Specialisation - Building Envelope**

- Insulated constructions
- Thermal bridge free construction
- Windows and other transparent building components
- Summer comfort
- Retrofits with Passive House components
- Implementation details

### **Basic principles - Building Services**

Provision of basic knowledge regarding ventilation and heat supply in Passive Houses.

The full version of the catalogue of learning objectives and further information about the course can be found at [www.passivehouse-trades.org](http://www.passivehouse-trades.org).