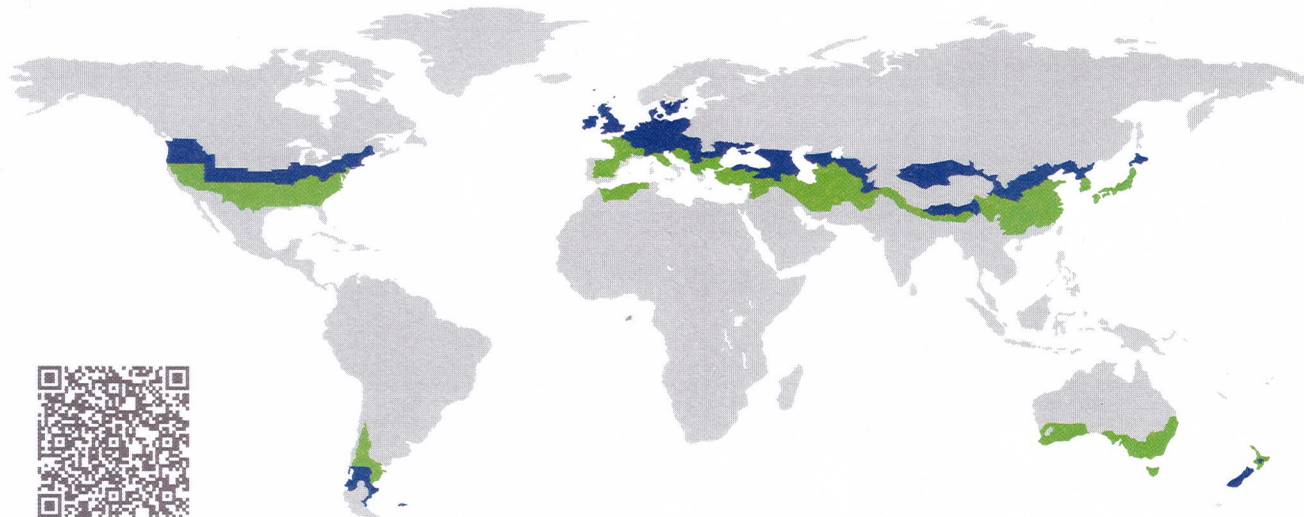


CERTIFICATE

Certified Passive House Component

Component-ID 1483ds03 valid until 31st December 2020

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category: **Door system**
Manufacturer: **Zakład Stolarki Budowlanej CAL
SUWAŁKI
Poland**
Product name: **Standard Arctic**

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

Comfort $U_D = 0.76 \leq 0.80 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{D, \text{installed}} \leq 0.85 \text{ W}/(\text{m}^2 \text{ K})$
with $U_{\text{door leaf}}^1 = 0.33 \text{ W}/(\text{m}^2 \text{ K})$

Hygiene $f_{Rsi=0.25} \geq 0.70$
Airtightness $Q_{100} = 2.25 \leq 2.25 \text{ m}^3/(\text{h m})$



(Inward opening)

¹U-value of the insulated area of door leaf

cool, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute