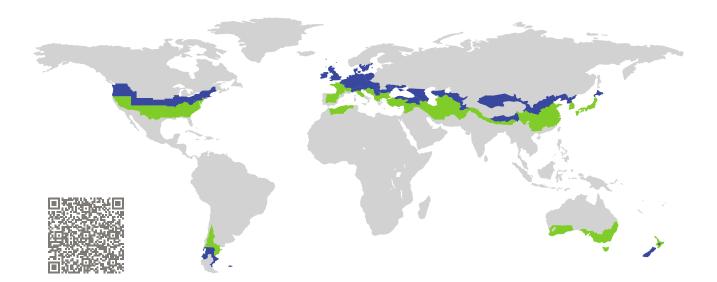
# CERTIFICATE

**Certified Passive House Component** 

Component-ID 1237ds03 valid until 31st December 2025

**Passive House Institute** Dr. Wolfgang Feist 64283 Darmstadt Germany



Category:	Entry door(with glas section)
Manufacturer:	Moralt AG
	Hausham
	Germany
Product name:	Moralt OutDoor FERRO Passiv

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

Comfort

 $f_{Rsi=0.25}$   $\geq$  0.70 Hygiene

<sup>1</sup>U-value of the insulated area of door leaf



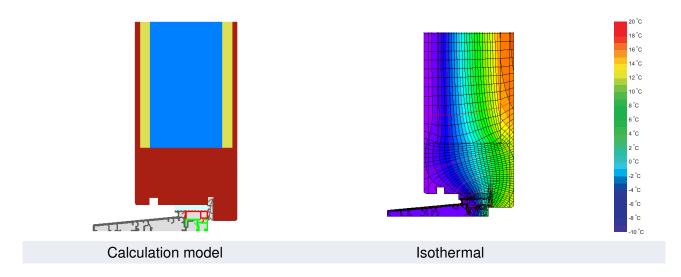




(Inward opening)



www.passivehouse.com



## Description

Door frame made of hard-wood and timber-based materials; Door leaf insulation: PU-foam 0.030 W/(mK); Threshold: thermally separated aluminum profile, the temperature factor requirement is not met at the threshold. For head- and jamb- profiles, the temperaturefactor is acheived in combination with the installation situation.

### Explanation

The U-values of the door apply to a door 1.10 m wide by 2.20 m tall.

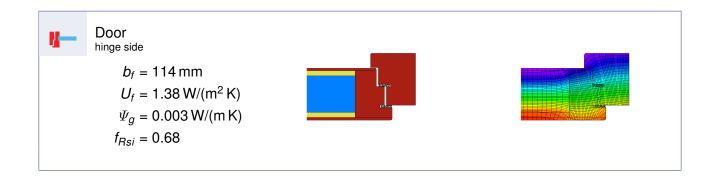
A detailed report of the calculations performed in the context of certification is available from the manufacturer.

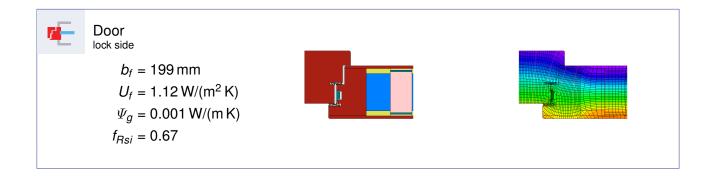
Unless stated otherwise, the air tightness was determined according to EN 1026 with respect to the joint length under climate load in conjunction with EN 1121 for the closed, non-locked door. The result corresponds at least to air-tightness class 3 according to EN 12207.

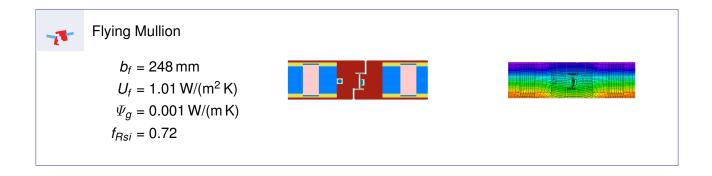
The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense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

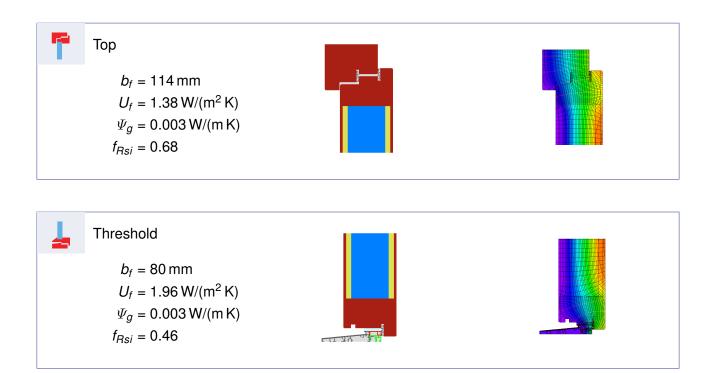
Further information relating to certification can be found on www.passivehouse.com and passipedia.org.

Frame values	S		Frame width <i>b<sub>f</sub></i> mm	<i>U</i> -value frame <i>U</i> f W/(m <sup>2</sup> K)	$\Psi$ edge $\Psi_g$ W/(m K)	Temp. Factor f <sub>Rsi=0.25</sub> [-]	
Door hinge side	(DJ1)	<b>K</b> -	114	1.38	0.003	0.68	
Door lock side	(DL1)	۲E-	199	1.12	0.001	0.67	
Flying Mul- lion	(FM1)	1	248	1.01	0.001	0.72	
Тор	(OH1)	T	114	1.38	0.003	0.68	
Threshold	(OT2)	4	80	1.96	0.003	0.46	
			Spacer:	Secondary	Secondary seal:		

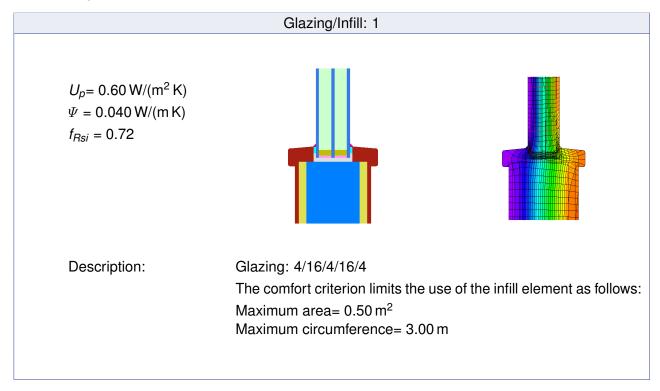








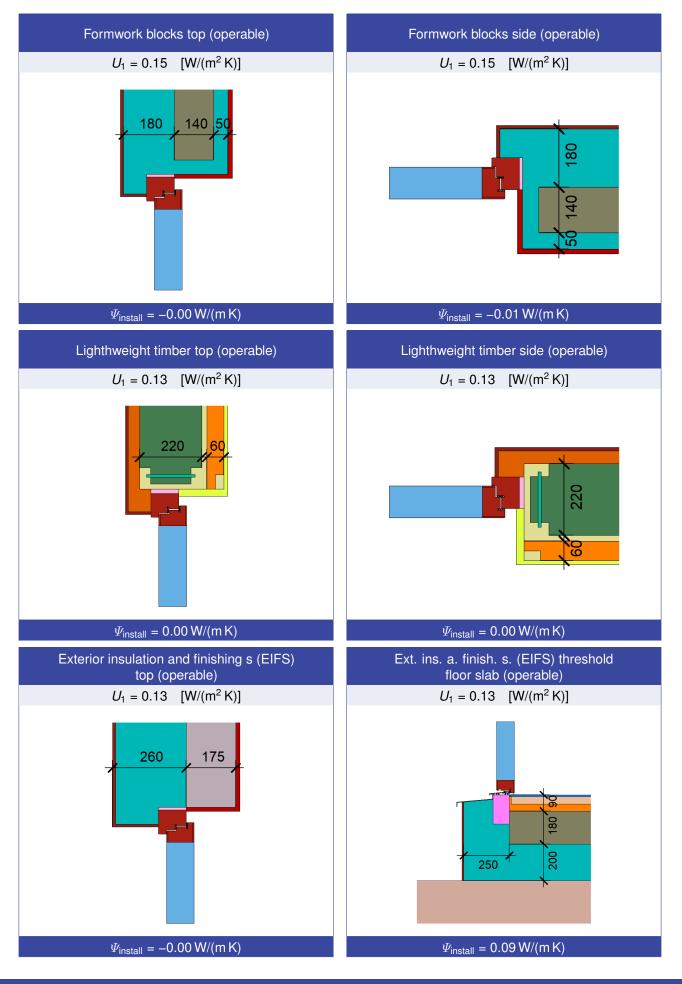
#### Door with glas section/infill

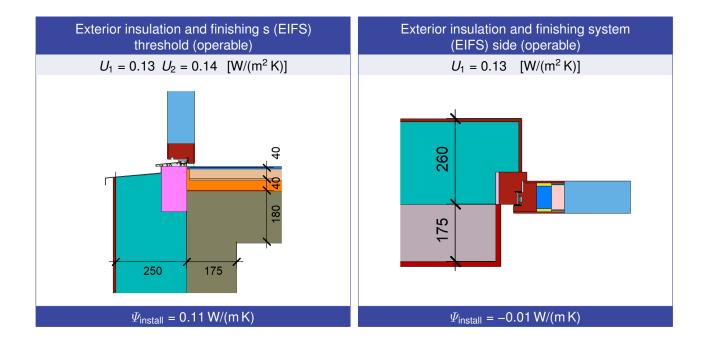


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### Validated installations





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