CERTIFICATE

Certified Passive House Component

Component-ID 0798ed03 valid until 31st December 2018

Passive House Institute Dr. Wolfgang Feist 64283 Darmstadt Germany



Category:	Entry door (with glas section)
Manufacturer:	New Rock s.r.o.
	Zruč nad Sázavou
	Czech Republic
Product name:	Varmaj

This certificate was awarded based on the following criteria for the cold climate zone

Comfort

$U_D = 0.39$	\leq	0.60 W/(m ² K)
$U_{D,\text{installed}}$	\leq	$0.65 W/(m^2 K)$
with $U_{\rm door leaf}$ ¹	=	$0.35 W/(m^2 K)$

Hygiene	f _{Rsi=0.25}	\geq	0.75
Airtightness	<i>Q</i> ₁₀₀	\leq	2.25 m ³ /(h m)

¹U-value of the insulated area of door leaf



(Inward opening)



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Description

Entry door made of wood 0.13 W/(mK) with sheep wool insulation 0,037 W/(mK). The door leaf is reinforced with wooden profiles.

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			Frame width <i>b_f</i> mm	<i>U</i> -value frame <i>U_f</i> W/(m ² K)	$arPhi$ edge $arPhi_g$ W/(m K)	Temp. Factor f _{Rsi=0.25} [-]
Тор	(to)	ī	130	0.44	0.001	0.89
Threshold	(th)	1	61	0.98	0.000	0.76
Hinge side	(hs)	u —	130	0.44	0.001	0.89
Lock side	(ls)	6	130	0.44	0.000	0.89
			Spacer: -	Secondary s	Secondary seal: -	





Validated installations



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