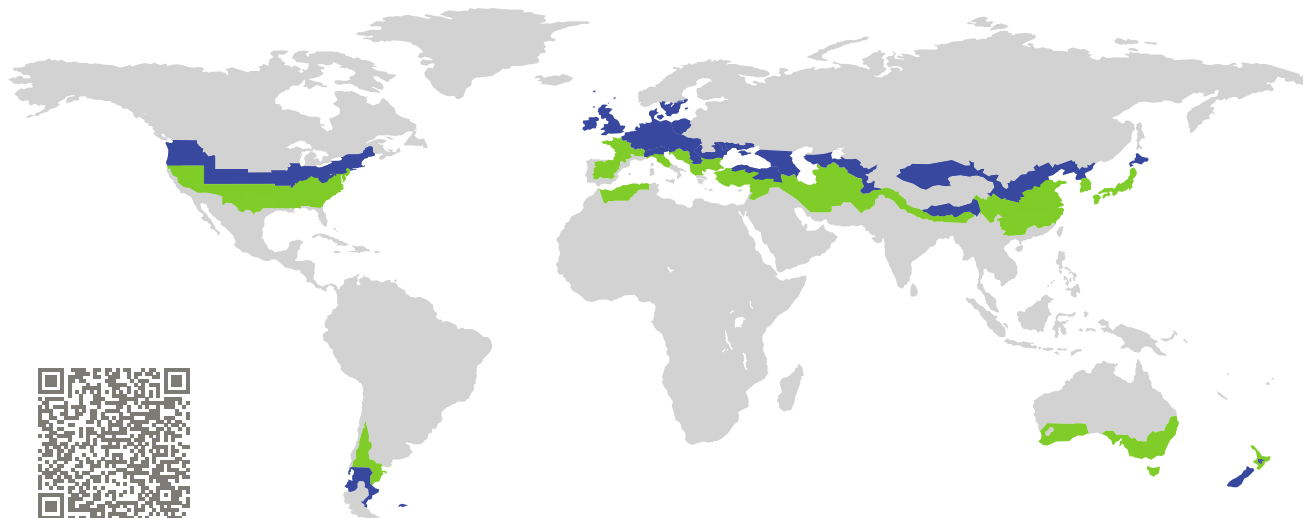


CERTIFICATE

Certified Passive House Component

Component-ID 1538wi03 valid until 31st December 2021

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

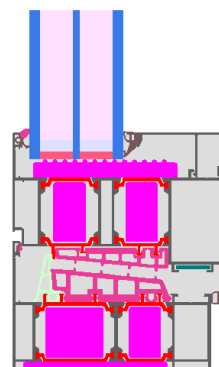


Category: **Window Frame**
Manufacturer: **Aluron Sp. z o.o.,
Zawiercie,
Poland**
Product name: **AS 110 Passiv**

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

Comfort $U_W = 0.80 \leq 0.80 \text{ W}/(\text{m}^2 \text{ K})$
 $U_{W,\text{installed}} \leq 0.85 \text{ W}/(\text{m}^2 \text{ K})$
with $U_g = 0.70 \text{ W}/(\text{m}^2 \text{ K})$

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



Passive House
efficiency class

phE

phD

phC

phB

phA






www.passivehouse.com

cool, temperate climate



**CERTIFIED
COMPONENT**

Passive House Institute

Frame values			Frame width b_f mm	U -value frame U_f W/(m ² K)	Ψ -panel edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Top	(to)		132	0.82	0.023	0.77
Side	(s)		132	0.82	0.023	0.77
Bottom	(bo)		132	0.82	0.023	0.77
Bottom Variant 1	(bo)		122	0.85	0.023	0.76
Mullion flying	(fm)		165	0.94	0.022	0.76

Spacer: SWISSPACER ULTIMATE Secondary seal: DOWSIL™ 3364 Warm Edge IG Sealant

Validated installations

