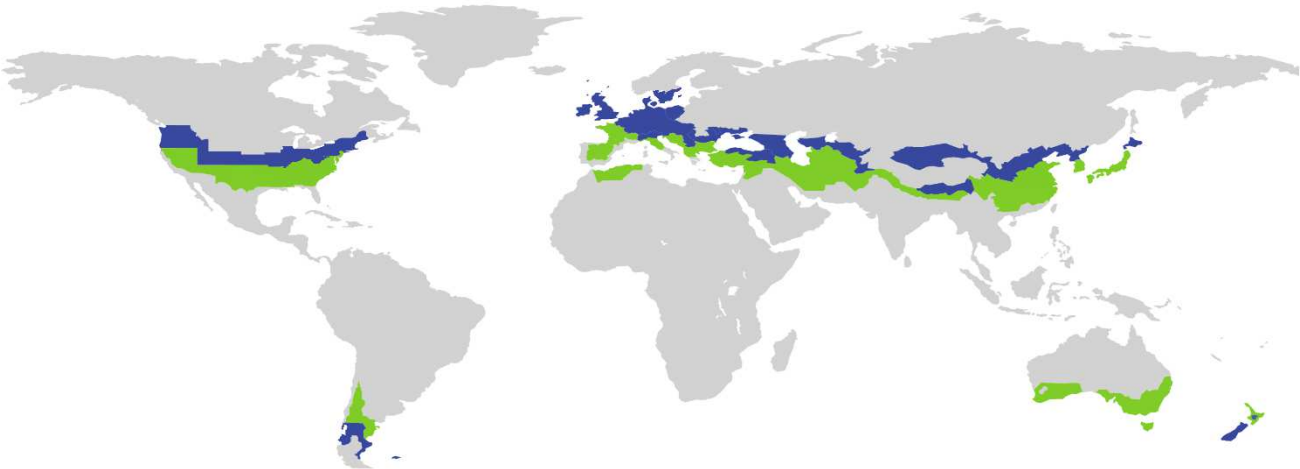


CERTIFICATE

Certified Passive House Component

ID: 0902cs03 valid until 31. December 2025

Passive House Institute
Dr. Wolfgang Feist
64342 Darmstadt
GERMANY



Category	Construction system Lightweight timber construction
Manufacturer	MEDITE SMARTPLY Waterford IRELAND
Product name	MEDITE SMARTPLY PROPASSIV - TYPE S

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

Hygiene criterion

The minimum temperature factor of the interior surfaces is $f_{Rsi=0,25m^2K/W} \geq 0,70$

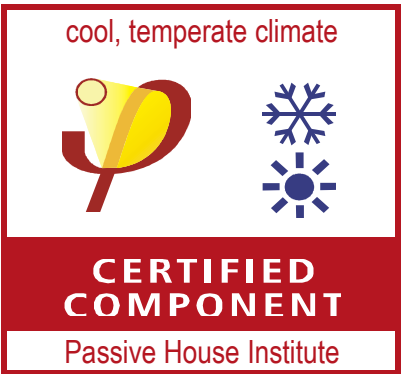
Comfort criterion

The U-value of the installed windows is $U_{W,i} \leq 0,85 \text{ W}/(\text{m}^2\text{K})$

Efficiency criteria

Heat transfer coefficient of building envelope $U \cdot f_{PHI} \leq 0,15 \text{ W}/(\text{m}^2\text{K})$
Temperature factor of opaque junctions $f_{Rsi=0,25m^2K/W} \geq 0,86$
Thermal bridge-free design for key connection details $\Psi \leq 0,01 \text{ W}/(\text{m}^2\text{K})$

An airtightness concept for all components and connection details was provided



cool, temperate climate

www.passivehouse.com

Additional thermal bridges

Name	Thermal bridge	f_{Rsi}	Description
MRR1	$\Psi = -0,103 \text{ W}/\text{mK}$	0,86	Monpitch roof ridge

