

PHI COMPONENT CERTIFICATION

Edward Lowes















Optimising the process of energy balance calculation using key values verified by the Passive House Institute

















































MANUFACTURER BENEFITS



Mark of extremely high quality



 Makes performance data available for use in designPH and PHPP



 Ensures the quality of thermal data through third party, independent review

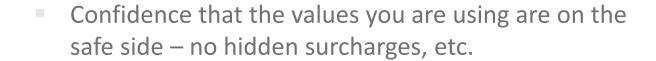


 Increased visibility on a competitive market through listing on the Component Database



DESIGNER BENEFITS







 Immediate acceptance of the values in building certification – little to no further information needed



 Wide range of components available – find the right product for your design and budget



Component Database



▶ Compact heat pump units ▶ Ventilation systems $(capacity < 600 \,\mathrm{m}^3/\mathrm{h})$ ▶ Ventilation systems

Building services





database.passivehouse.com



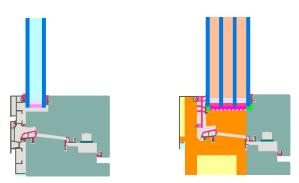














Arctic



Cold



Cool, temperate



Warm, temperate



Warm



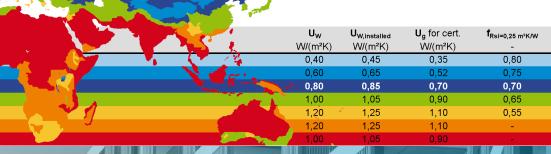


Very hot

Climate zone | Klimazone

Reference size | Prüfgröße: 1.23 m * 1.48 m

- 1 Arctic | Arktisch
- 2 Cold | Kalt
- 3 Cool, temperate | Kühl-gemäßigt
- 4 Warm, temperate | Warm-gemäßigt
- 5 Warm | Warm
- 6 Hot | Heiß
- 7 Very hot | Sehr heiß







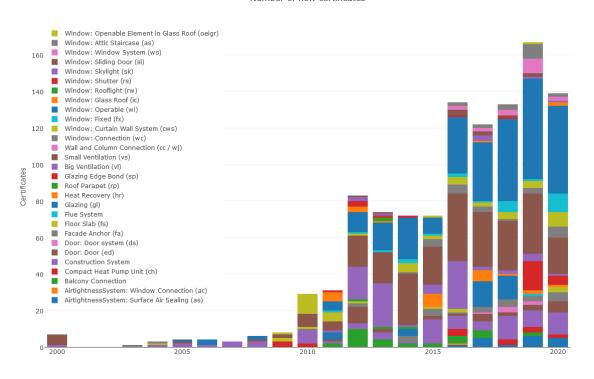




1ember of the SNC-Lavalin Group

NUMBER OF NEW CERTIFICATES PER YEAR

Number of new certificates









CERTIFIED COMPONENTS IN THE UK





Quelle: pro Passivhausfenster GmbH



Quelle: Dörken Systems Inc.



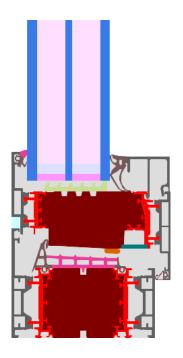










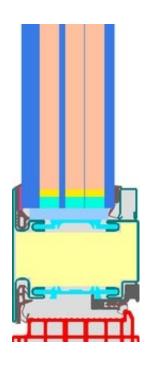






Mitcham

Component database: 1657wi03





NEOS Protect Ltd.

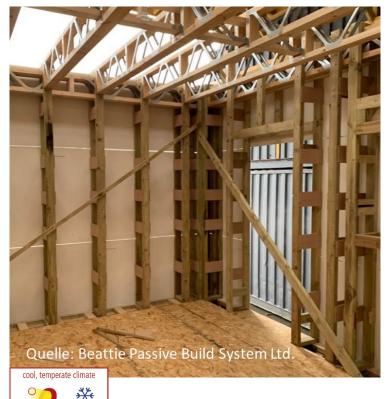
Gateshead

Component database: 1706ds03





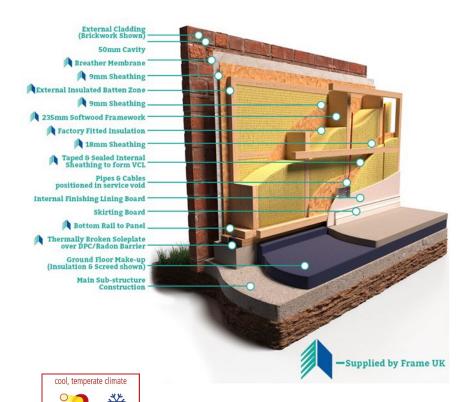




Beattie Passive Build System Ltd.

Norwich

Component database: 0384cs03



Frame Homes Ltd.

Redruth

Component database: 1184cs03



CERTIFIED

COMPONENT

Passive House Institute



CERTIFIED

COMPONENT

Passive House Institute







Image: Airflow Developments Ltd.



Airflow Developments Ltd.

High Wycombe

Component database: 0916vs03



Image: Titon Hardware Ltd.



Titon Hardware Ltd.

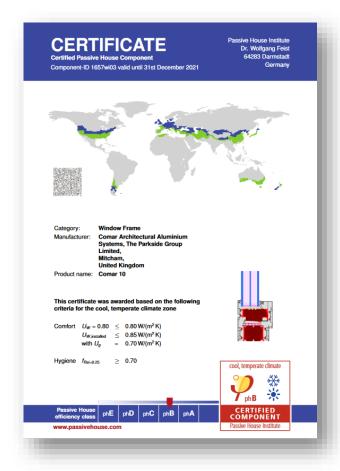
Colchester

Component database: 1185vs03









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Further information

database.passivehouse.com www.passivehouse.com www.passipedia.org www.passivehouse-international.org





UKpassivhaus conference 2021

DELIVERING NET ZERO THROUGH PASSIVHAUS

THANK YOU



