

Certificate

Certified Passive House Component

for cool, temperate climates; valid until 31.12.2015

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
GERMANY

Category: **Window Frame**
 Manufacturer: **Viking Window AS**
72751 Järvamaa, ESTONIA
 Product name: **Viking SW 14 Aluclad Passive**

This certificate was awarded based on the following criteria:

Given a U_g value of $0.70 \text{ W}/(\text{m}^2\text{K})$ and a window size of 1.23 m by 1.48 m ,

$$U_w = 0.80 \text{ W}/(\text{m}^2\text{K}) \leq 0.80 \text{ W}/(\text{m}^2\text{K})$$

Taking into account the installation based thermal bridges and provided that the installation is, with regard to the thermal bridges, equal or better than shown in the data sheet, the window meets the following criterion.

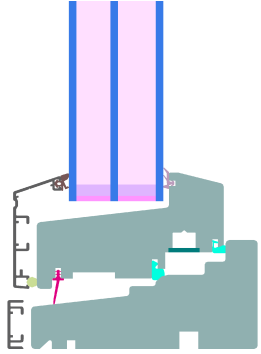
$$U_{w,\text{installed}} \leq 0.85 \text{ W}/(\text{m}^2\text{K})$$

Thermal data

| | U_f -value [W/(m ² K)] | Width [mm] | Ψ_g [W/(mK)] | $f_{Rsi=0.25}$ [-] |
|----------|--|---------------|----------------------|-----------------------|
| Spacer | | | Swisspacer ULTIMATE* | |
| Bottom | 0.83 | 102 | 0.023 | 0.72 |
| Side/top | 0.86 | 102 | 0.022 | |

*Spacers of lower thermal quality, especially those made of aluminium, lead to significantly higher thermal losses and lower temperature factors.

For further information, please see the data sheet



Passive House Efficiency Class

phA
advanced component

phB
basic component

phC
certifiable component

not suitable for Passive Houses



ph B

CERTIFIED COMPONENT

Passive House Institute