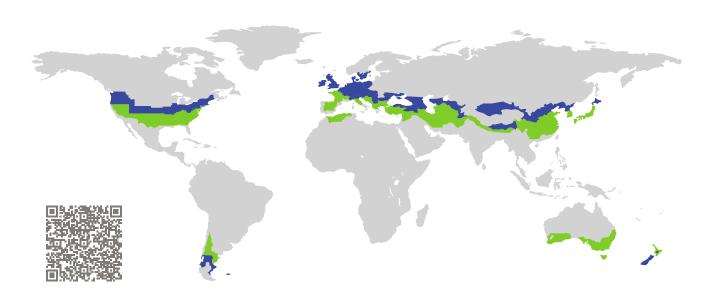
CERTIFICATE

Certified Passive House Component

Component-ID 2191wi03 valid until 31st December 2025

Passive House Institute Dr. Wolfgang Feist 64283 Darmstadt Germany



Category: Window Frame

Manufacturer: EuroLine Windows Inc.,

Delta, BC, Canada

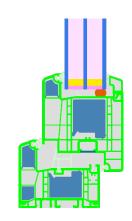
Product name: Euroline 4700 Series Door

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

Comfort $U_W = 0.79 \le 0.80 \,\mathrm{W/(m^2\,K)}$

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

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





EuroLine Windows Inc.

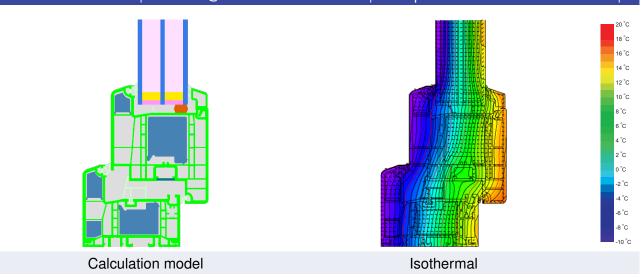
7620 MacDonald Road, V4G 1N2 Delta, BC, Canada

↑ +1 604 940-8485 |

→ robert@euroline-windows.com |

↑ http://www.euroline-windows.com |

↑ http://



Description

Vinyl window insulated with G-EPS (0,031 W/(mK)). Maximum tested size of sash 42 by 85 inches, which corresponds to 1,06 x 2,16 m and 2,29 m2 (minimum reference area 1,82 m2). Pane thickness: 44 mm ($\frac{4}{16}\frac{4}{16}$ mm), rebate depth: 17 mm. Spacer: SuperSpacer TriSeal / T-Spacer Premium Plus with polysulfide as secondary seal.

Explanation

The window U-values were calculated for the test window size of 1.23 m \times 1.48 m with $U_g = 0.70$ W/(m² K). If a higher quality glazing is used, the window U-values will improve as follows:

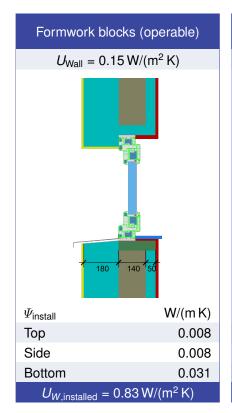
Glazing
$$U_g = \begin{bmatrix} 0.70 & 0.64 & 0.58 & 0.52 & W/(m^2 \, \text{K}) \\ \downarrow & \downarrow & \downarrow & \downarrow \\ Window $U_W = \begin{bmatrix} 0.79 & 0.75 & 0.72 & 0.68 & W/(m^2 \, \text{K}) \end{bmatrix}$$$

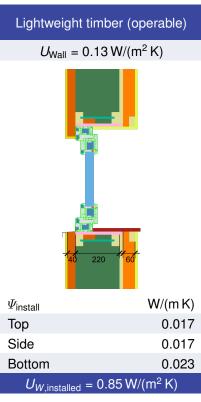
Transparent building components are classified into efficiency classes depending on the heat losses through the opaque part. The frame U-Values, frame widths, thermal bridges at the glazing edge, and the glazing edge lengths are included in these heat losses. A more detailed report of the calculations performed in the context of certification is available from the manufacturer.

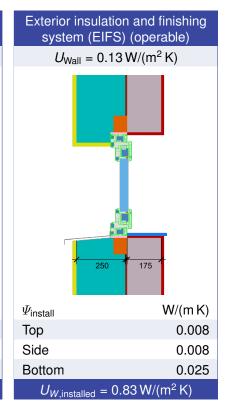
The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense 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.

Validated installations







Frame value	es	Frame width b _f mm	<i>U</i> -value frame <i>U</i> _f W/(m ² K)	Ψ -glazing edge Ψ_g W/(m K)	Temp. Factor f _{Rsi=0.25} [-]
Mullion 1 casement	(1M1)	174	0.70	0.029	0.73
Bottom	(OB1)	142	0.74	0.032	0.71
Тор	(OH1)	142	0.74	0.032	0.71
Lateral	(OJ1)	142	0.74	0.032	0.71
Spacer: Super Spacer TriSeal / T-Spacer Premium Plus Secondary seal: Polysulfide					

