

## U<sub>w</sub> – THERMAL TRANSMITTANCE VALUE FOR STANDARD ELEMENT

(according to norm EN 14351-1:2006)

### ▪ Standard element (according to norm EN 14351-1 Appendix E)

	Measures (L x H)	Direct application field for similar typologies
<b>Doors</b>	1230 x 2180 mm	Elements with area < 3,6 m <sup>2</sup>
	2000 x 2180 mm	Elements with area > 3,6 m <sup>2</sup>
<b>Windows</b>	1230 x 1480 mm	Elements with area < 2,3 m <sup>2</sup>
	1480 x 2180 mm	Elements with area > 2,3 m <sup>2</sup>

### ▪ Calculation

<b>U<sub>f</sub></b>	As per values for single section
<b>U<sub>g</sub></b>	As per values of the table
<b>Ψ<sub>g</sub></b>	0,057 W/mK calculated using value of glass spacer in polycarbonate or similar

### ▪ U<sub>w</sub> values finished elements standard EBE (BTU/h/ft<sup>2</sup>)\*

U <sub>g</sub> = 1,1 (W/m <sup>2</sup> K)	One leaf door		Two leaf door		One leaf window		Two leaf window	
	area < 3,6 m <sup>2</sup>	area > 3,6 m <sup>2</sup>	area < 3,6 m <sup>2</sup>	area > 3,6 m <sup>2</sup>	area < 2,3 m <sup>2</sup>	area > 2,3 m <sup>2</sup>	area < 2,3 m <sup>2</sup>	area > 2,3 m <sup>2</sup>
	Galvanized steel	.30	.28	.35	.31	.29	.27	.34
Corten steel	.30	.28	.35	.31	.29	.27	.34	.31
Stainless steel	.29	.27	.33	.29	.29	.27	.33	.30
Bronzofinestra	.31	.28	.36	.31	.31	.28	.36	.32

Example glass with U<sub>g</sub> = 1,1 (W/m<sup>2</sup>K): low emission glass 6/7 + 15 + 6/7 with argon

### ▪ U<sub>w</sub> values finished elements OS2 (BTU/h/ft<sup>2</sup>)\*

U <sub>g</sub> = 1,1 (W/m <sup>2</sup> K)	One leaf door		Two leaf door		One leaf window		Two leaf window	
	area < 3,6 m <sup>2</sup>	area > 3,6 m <sup>2</sup>	area < 3,6 m <sup>2</sup>	area > 3,6 m <sup>2</sup>	area < 2,3 m <sup>2</sup>	area > 2,3 m <sup>2</sup>	area < 2,3 m <sup>2</sup>	area > 2,3 m <sup>2</sup>
	Galvanized steel	.26	.25	.30	.27	.28	.26	.31
Corten steel	.26	.25	.30	.27	.28	.26	.31	.29
Stainless steel	.26	.24	.29	.26	.27	.25	.30	.28
Bronzofinestra	.27	.25	.30	.27	.28	.26	.31	.29

Example glass with U<sub>g</sub> = 1,1 (W/m<sup>2</sup>K): low emission glass 6/7 + 15 + 6/7 with argon

\*January 2010 figures converted from european test results (W/m<sup>2</sup>K)