



Important Information Regarding
O.B.C. SB-12

January 30, 2012

To: All our valued customers
From: Gary Husen, Canadian Sales Manager

PURPOSE: The purpose of this document is to clarify to our customers how the recent energy changes to the Ontario Building Code and related SB-12 affect products supplied by Pollard Windows and Doors.

Effective January 1st 2012, the Ontario Building Code implemented changes to the energy efficiency requirements of building envelopes. Houses must now be either built to meet or exceed the NRCan EnerGuide rating of 80 or the house must comply with the Supplementary Standard SB-12 “Energy Efficiency of Housing”. Most builders will follow Table 2.1.1.2.A of SB-12, which is used in Zone 1, when the furnace AFUE is $\geq 90\%$. This table lists minimum U-Values of Windows and Sliding Glass Doors which, depending on the package chosen (A-M) can range from 1.6 to 2.0 W/(m²•K). This chart however does not give you the corresponding ER values in Table 2.1.1.8.

When looking at the rating of your Pollard product, the most important section of SB-12 is Section 2.1.1.8 (Pages 18-19). This section states “Windows, skylights and sliding glass doors shall meet the required overall coefficient of heat transfer [U-Value] in Tables 2.1.1.2.A, B & C and Tables 2.1.1.3.A, B & C **OR the corresponding energy rating in Table 2.1.1.8**” (U values 1.6 to 2.0) (shown below).

Component	Maximum U-Values		Minimum Energy Rating (ER)
	U-Value (W/m ² •K)	U-Value (Btu/h•ft ² •°F)	ER
Windows and Sliding Glass Doors	2.0	0.35	17
	1.8	0.32	21
	1.6	0.28	25

For our heating dominated climate, we feel the Energy Rating system does a better job of describing a year-round energy efficient product for the home. The Energy Star® program is moving in this direction as well. ER ratings take into account solar heat gain (which, in the spring, fall and winter months, allows solar heat into the home to limit the use of furnace systems), U-Value (heat flow) and air leakage loss through the window or door component. Below is a list of the standard Pollard Windows Advantage and Liberty Products with their U-Values and Energy Ratings, which illustrates that our products **do meet and exceed** the requirements of the OBC SB-12 mandate.

ADVANTAGE LINE		
WINDOW	U-VALUE	ER
Casement/Awning	1.77	28
Fixed in sash	1.82	32
Fixed in frame	1.77	37
Slider	1.94	29
Single Hung	1.94	29
Double Hung	1.88	30
Patio Door	2.00	28

LIBERTY COLLECTION		
WINDOW	U-VALUE	ER
Casement/Awning	1.77	28
Fixed in sash	1.70	36
Fixed in frame	1.70	38
Double Hung	1.80	29
Patio Door	1.77	27

For more detailed information on the SB-12 go to <http://www.mah.gov.on.ca/Page8446.aspx> and see the whole document. If you have any questions regarding our products please contact your Pollard Sales Representative. Thank you for your business and we look forward to serving you in 2012.