

Please help us to keep this information correct, current and complete!
If you find that anything on this spreadsheet is incorrect or if there is anything missing please let us know so that we can update the information. Thank you.

Energy Efficient Window Comparison												
1/29/2010		NOTE *Cost is based on the builder's price for a 24" wide x 48" high operable casement with screen and no grilles *Cost does not include handling, installation, or builder's profit and overhead.										
BRAND	TYPE	Uvalue	Rvalue	SHGC	VLT	Air Inf	H2O	Cost*	Cost/sf	Cost/sf/R	DETAILS	
						cfm/sf	psf	\$	\$/sf	\$/sf/R		
ALUMINUM CLAD												
Clawson	Clad Casement	0.22	4.5	0.30	0.50	0.09		306	38	8	Triple Glazed Double Low E 272 with Argon Gas	
http://www.clawsonwindows.com/												Made in Missoula, MT. Dealer: Clawson Windows 866-543-9324
Eagle	Axiom Triple Glazed	0.29	3.4	0.26	0.39			320	40	12	Triple Glazed, Low-E 272 on surfaces 2&5	
http://www.eaglewindow.com/Products/Overview.aspx												Made in Iowa, Dealer: BMC West, Missoula. 406-543-3163
Gienow	550 Series	0.21	4.8	0.21	0.37			480	60	13	Triple, 270 Glass, Argon fill	
http://www.gienow.com/												Made in Calgary, Canada. Dealer: Boyce Lumber, Missoula, 406-728-7100
Jeldwen	Custom	0.27	3.7	0.29				348	44	12	Double glazed, Low E, Argon, stainless steel spacer	
http://www.jeld-wen.com/windows/												Made in ???, Dealer: Boyce Lumber, Missoula, 406-728-7100
Loewen	Casement	0.23	4.3	0.14	0.21			610	76	18	Triple sun 240, Dual low E (no argon due to passes)	
	Casement	0.22	4.5	0.24	0.38			583	73	16	HP3, thermal edge, (no argon due to mtn passes)	
http://www.loewen.com/												Made in Canada, Dealer: Montana Sash and Door, Kalispell, 406-755-7643
Optiwin	Alu2wood	0.14	7.3	0.53				704	88	12	Usi0.6 Glass	
	Alu2wood	0.13	7.8	0.53				824	103	13	Usi0.5 Glass	
http://mueller.optiwin.net/mueller-en/products												Made in Germany. Dealer: Peak Building Products, Minnesota. 651-925-0866
Sorpetaler	TF Design - 3pane	0.14	7.1	0.52				800	100	14	Guardian 3-pane Argon glass, warm edge spacer.	
http://www.quantumbuilder.com/sorpetaler												Made in Germany. Dlr: Quantum Bldrs, Drct: Bronwyn Barry 510-375-2123
FIBERGLASS												
Accurate	ADC 325 series	0.24	4.2	0.47	0.39			382	48	11	Tri- Arg AFG 1E2 (HIGH GAIN)	
Dorwin	ADC 325 series	0.17	5.9	0.24	0.39			396	50	8	Tri- Arg AFG 2tiac40 (s2&s5) (LOW GAIN)	
http://www.accuratedorwin.com/windows/index.php?c=usa												Made in Winnipeg, Canada. Dealer: Direct, Rep: Corey Loewen. 888-982-4640
Duxton	Series 325	0.21	4.8	0.39				656	82	17	TRIP DBL E/ARG, 179 Glass (HI GAIN)	
	Series 325	0.19	5.3	0.37				656	82	16	TRIP DBL E/ARG, TI-AC40 Glass (LOW GAIN)	
http://www.duxtonwindows.com/												Made in Canada, Dealer: Direct-Rep. David Bakker (204) 339 6456
Fibertec	300 Series	0.18	5.6	0.24	0.39			441	55	10	triple low E2 (cardinal) 2kpr 2s/s	
	300 Series	0.18	5.6	0.24	0.39			516	65	12	same as above with Oak or Maple interior.	
http://www.fibertec.com/												Made in Canada, Dealer: direct (Rep: Anthony Ward, CO, 303.663.5599)
Pazen	Enersign	0.11	9.1	0.52				1017	127	14	3-pane, fiberglass exterior, wood interior. Insulation over frame installation.	
http://www.quantumbuilder.com/pazen												Made in Germany. Dlr: Quantum Bldrs, Drct: Bronwyn Barry 510-375-2123
Pella	Impervia	0.29	3.4	0.44				301	38	11	Dbl pane, low-e.	
http://web.pella.com/products/productlines/Impervia/Pages/Impervia.aspx												Made in USA. Dlr: Pella Window and Door Store, 406-542-3840

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BRAND	TYPE	Uvalue	Rvalue	SHGC	VLT	Air Inf	H2O	Cost*	Cost/sf	Cost/sf/R	DETAILS
Serious	525 series, low gain	0.21	4.8	0.21	0.44	0.00	7.52	517	65	14	SeriousGlass , dual pane, 1 Low SHGC film, krypton filled,
	725 series, low gain	0.18	5.6	0.21	0.38	0.00	7.52	633	79	14	SeriousGlass 9, dual pane, 1 Low SHGC film, krypton filled,
	725 series, high gain	0.22	4.5	0.39	0.50	0.00	7.52	633	79	17	SeriousGlass 5, dual pane, 1 High SHGC film, krypton filled,
	925 series, low gain	0.15	6.7	0.17	0.29	0.00	7.52	699	87	13	SeriousGlass 14, dual pane, 2 Low SHGC films, krypton filled
	925 series, high gain	0.17	5.9	0.33	0.45	0.00	7.52	699	87	15	SeriousGlass 14, dual pane, 2 Low SHGC films, krypton filled
	1125 Series	0.13	7.7	0.20	0.30	0.00	7.52	1,061	133	17	SeriousGlass 20, dual pane, 3 Low SHGC film, xenon filled,
http://seriouswindows.com/											(Cost inc shipping to Missoula)
Thermotech	Casement	0.21	4.8	0.42	0.63			640	80	17	triple glazed 322 lof, tc88 #3 (no argon due to elevation)
	Casement	0.19	5.3	0.25	0.57			680	85	16	
http://www.thermotechfiberglass.com/											(NOT inc shipping to Missoula)
VINYL								\$	\$/sf	\$/sf/R	
Alpine 80	low e, clear, low e w/air triple gl.	0.28	3.6	0.32	0.59			220	28	8	1" IG, DS LO-E, Argon
http://www.alpinewindowssystems.com/products/80.series.asp											(Cost inc shipping to Missoula)
Clawson	Vinyl Casement	0.28	3.6	0.30	0.50	0.03		217	27	8	Double Glazed - Low E 272 with Argon Gas
		0.17	5.9	0.30	0.50	0.03		247	31	5	Triple Glazed Double Low E 272 with Argon Gas
http://www.clawsonwindows.com/											(Cost inc shipping to Missoula)
Gienow	260 Series	0.20	5.0	0.20	0.35			320	40	8	Triple, 270 Glass, Argon fill
http://www.gienow.com/											(Cost inc shipping to Missoula)
Jeldwen	Premium	0.25	4.0	0.16				342	43	11	Triple glazed, Low E 366, Argon, "state-of-the-art" spacer
http://www.jeld-wen.com/windows/											(Cost inc shipping to Missoula)
Thermaline		0.18	5.6	0.23				460	58	10	Triple glazed (lowE-clear-lowE), Krypton/Argon filled. (5 times thicker vinyl.
http://www.tlwindows.com/											(Cost inc shipping to Missoula)
WOOD								\$	\$/sf	\$/sf/R	
Optiwin	2wood	0.14	7.3	0.53				680	85	12	Usi0.6 Glass
	2wood	0.13	7.8	0.53				800	100	13	Usi0.6 Glass
	3wood	0.13	8.0	0.53				928	116	15	Usi0.5 Glass
	3wood	0.12	8.3	0.53				1,040	130	16	Usi0.5 Glass
http://mueller.optiwin.net/mueller-en/products											(NOT inc shipping to Missoula)