

## Results Comparison WINDOW Version 7.4.06 to 7.4.14 Glazing Systems

7.4.06 Runs done 10/03/2015 (RM)

Exactly the same results between the two versions

7.4.14 Runs done 12/09/2016 (RM)

ID	# Glazing Layers	Glazing				WINDOW ID#	U-factor (W/m <sup>2</sup> -K)				SHGC (-)				VT (-)					
		Glass	emiss.	Glass/Gap/Glass (mm)	Gas		W7.4.06	W7.4.14	DIFF	DIFF (%)	W7.4.06	W7.4.14	DIFF	DIFF (%)	W7.4.06	W7.4.14	DIFF	DIFF (%)		
1	Single Glazing	Un-Coated	0.84	N/A	N/A	1	5.87993	5.87993	0.000	0.00%	0.867716	0.867716	0.000	0.00%	0.89912	0.89912	0.000	0.00%		
2	Double Glazing	Un-Coated	0.84	4/6/4	Air	2	3.148549	3.148549	0.000	0.00%	0.771913	0.771913	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
					Argon	3	2.902941	2.902941	0.000	0.00%	0.772627	0.772627	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
					Krypton	4	2.595891	2.595891	0.000	0.00%	0.773541	0.773541	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
					Xenon	5	2.454549	2.454549	0.000	0.00%	0.774064	0.774064	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
3				4/12/4	Air	6	2.730005	2.730005	0.000	0.00%	0.773231	0.773231	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
					Argon	7	2.575974	2.575974	0.000	0.00%	0.773716	0.773716	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
					Krypton	8	2.525833	2.525833	0.000	0.00%	0.77427	0.77427	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
4				4/20/4	Xenon	9	2.505982	2.505981	0.000	0.00%	0.774488	0.774488	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
					Air	10	2.751087	2.751087	0.000	0.00%	0.773879	0.773879	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
					Argon	11	2.614745	2.614744	0.000	0.00%	0.774208	0.774208	0.000	0.00%	0.81327	0.81327	0.000	0.00%		
5				One Pane Coated (Surface # 2)	0.2	4/6/4	Krypton	12	2.556724	2.556724	0.000	0.00%	0.774301	0.774301	0.000	0.00%	0.81327	0.81327	0.000	0.00%
							Xenon	13	2.505982	2.505982	0.000	0.00%	0.774288	0.774288	0.000	0.00%	0.81327	0.81327	0.000	0.00%
	Air	14	2.595325				2.595325	0.000	0.00%	0.650335	0.650335	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
	Argon	15	2.222174				2.222174	0.000	0.00%	0.648286	0.648286	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
6	4/12/4	Krypton	16			1.735948	1.735948	0.000	0.00%	0.645611	0.645611	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
		Xenon	17			1.536962	1.536962	0.000	0.00%	0.644405	0.644405	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
		Air	18			1.980567	1.980567	0.000	0.00%	0.646535	0.646535	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
		Argon	19			1.740812	1.740812	0.000	0.00%	0.645087	0.645087	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
7	4/20/4	Krypton	20			1.675154	1.675154	0.000	0.00%	0.643533	0.643533	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
		Xenon	21			1.629094	1.629094	0.000	0.00%	0.643411	0.643411	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
		Air	22			2.054611	2.054611	0.000	0.00%	0.64485	0.64485	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
		Argon	23			1.827954	1.827954	0.000	0.00%	0.643911	0.643911	0.000	0.00%	0.74753	0.74753	0.000	0.00%			
8	4/6/4	Krypton	24	1.716775	1.716775	0.000	0.00%	0.643861	0.643861	0.000	0.00%	0.74753	0.74753	0.000	0.00%					
		Xenon	25	1.629094	1.629094	0.000	0.00%	0.643752	0.643752	0.000	0.00%	0.74753	0.74753	0.000	0.00%					
		Air	26	2.473755	2.473755	0.000	0.00%	0.62486	0.62486	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Argon	27	2.06761	2.06761	0.000	0.00%	0.622845	0.622845	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
9	4/12/4	Krypton	28	1.533241	1.533241	0.000	0.00%	0.620177	0.620177	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Xenon	29	1.32263	1.32263	0.000	0.00%	0.618602	0.618602	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Air	30	1.811191	1.811191	0.000	0.00%	0.621105	0.621105	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Argon	31	1.549449	1.549448	0.000	0.00%	0.619651	0.619651	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
10	4/20/4	Krypton	32	1.478075	1.478075	0.000	0.00%	0.6181	0.6181	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Xenon	33	1.423862	1.423861	0.000	0.00%	0.618008	0.618008	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Air	34	1.899685	1.899685	0.000	0.00%	0.619455	0.619455	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Argon	35	1.648673	1.648672	0.000	0.00%	0.618519	0.618519	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
11	4/6/4	Krypton	36	1.521992	1.521992	0.000	0.00%	0.618471	0.618471	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Xenon	37	1.423862	1.423861	0.000	0.00%	0.618334	0.618334	0.000	0.00%	0.74729	0.74729	0.000	0.00%					
		Air	38	2.374141	2.374141	0.000	0.00%	0.378572	0.378572	0.000	0.00%	0.69103	0.69103	0.000	0.00%					
		Argon	39	1.940565	1.940565	0.000	0.00%	0.372782	0.372782	0.000	0.00%	0.69103	0.69103	0.000	0.00%					
11	4/6/4	Krypton	40	1.36531	1.36531	0.000	0.00%	0.364882	0.364882	0.000	0.00%	0.69103	0.69103	0.000	0.00%					
		Xenon	41	1.146055	1.146055	0.000	0.00%	0.360154	0.360154	0.000	0.00%	0.69103	0.69103	0.000	0.00%					

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		Glass	emiss.	Glass/Gap/Glass (mm)	Gas		W7.4.06	W7.4.14	DIFF	DIFF (%)	W7.4.06	W7.4.14	DIFF	DIFF (%)	W7.4.06	W7.4.14	DIFF	DIFF (%)
12		One Pane Coated (Surface # 2)	0.04	4/12/4	Air	42	1.672654	1.672654	0.000	0.00%	0.367718	0.367718	0.000	0.00%	0.69103	0.69103	0.000	0.00%
					Argon	43	1.392615	1.392615	0.000	0.00%	0.363383	0.363383	0.000	0.00%	0.69103	0.69103	0.000	0.00%
					Krypton	44	1.315724	1.315724	0.000	0.00%	0.359539	0.359539	0.000	0.00%	0.69103	0.69103	0.000	0.00%
					Xenon	45	1.254261	1.254261	0.000	0.00%	0.359933	0.359933	0.000	0.00%	0.69103	0.69103	0.000	0.00%
13			0.04	4/20/4	Air	46	1.773189	1.773189	0.000	0.00%	0.364519	0.364519	0.000	0.00%	0.69103	0.69103	0.000	0.00%
					Argon	47	1.501596	1.501596	0.000	0.00%	0.361934	0.361934	0.000	0.00%	0.69103	0.69103	0.000	0.00%
					Krypton	48	1.361439	1.361438	0.000	0.00%	0.361522	0.361522	0.000	0.00%	0.69103	0.69103	0.000	0.00%
					Xenon	49	1.254262	1.254261	0.000	0.00%	0.360479	0.360479	0.000	0.00%	0.69103	0.69103	0.000	0.00%
14				4/6/4/6/4	Air	50	2.169915	2.169915	0.000	0.00%	0.695059	0.695059	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Argon	51	1.947939	1.947939	0.000	0.00%	0.695966	0.695966	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Krypton	52	1.684237	1.684237	0.000	0.00%	0.697062	0.697062	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Xenon	53	1.552048	1.552048	0.000	0.00%	0.697662	0.697662	0.000	0.00%	0.73922	0.73922	0.000	0.00%
15			0.84	4/9/4/9/4	Air	54	1.914794	1.914794	0.000	0.00%	0.696105	0.696105	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Argon	55	1.747222	1.747222	0.000	0.00%	0.696804	0.696804	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Krypton	56	1.572834	1.572834	0.000	0.00%	0.697617	0.697617	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Xenon	57	1.539165	1.539165	0.000	0.00%	0.698067	0.698067	0.000	0.00%	0.73922	0.73922	0.000	0.00%
16				4/12/4/12/4	Air	58	1.780725	1.780725	0.000	0.00%	0.696701	0.696701	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Argon	59	1.648093	1.648093	0.000	0.00%	0.697268	0.697268	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Krypton	60	1.570353	1.570353	0.000	0.00%	0.69793	0.69793	0.000	0.00%	0.73922	0.73922	0.000	0.00%
					Xenon	61	1.557094	1.557094	0.000	0.00%	0.698405	0.698405	0.000	0.00%	0.73922	0.73922	0.000	0.00%
17				4/6/4/6/4	Air	62	1.678265	1.678265	0.000	0.00%	0.559499	0.559499	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Argon	63	1.381861	1.381861	0.000	0.00%	0.560171	0.560171	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Krypton	64	1.021561	1.021561	0.000	0.00%	0.561055	0.561055	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Xenon	65	0.841845	0.841845	0.000	0.00%	0.561586	0.561586	0.000	0.00%	0.62631	0.62631	0.000	0.00%
18			0.2	4/9/4/9/4	Air	66	1.337825	1.337825	0.000	0.00%	0.560282	0.560282	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Argon	67	1.108914	1.108914	0.000	0.00%	0.560838	0.560838	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Krypton	68	0.875637	0.875637	0.000	0.00%	0.561557	0.561557	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Xenon	69	0.838662	0.838661	0.000	0.00%	0.562199	0.562199	0.000	0.00%	0.62631	0.62631	0.000	0.00%
19				4/12/4/12/4	Air	70	1.159423	1.159423	0.000	0.00%	0.560762	0.560762	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Argon	71	0.977035	0.977035	0.000	0.00%	0.561239	0.561239	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Krypton	72	0.884507	0.884507	0.000	0.00%	0.562024	0.562024	0.000	0.00%	0.62631	0.62631	0.000	0.00%
					Xenon	73	0.865044	0.865044	0.000	0.00%	0.56326	0.56326	0.000	0.00%	0.62631	0.62631	0.000	0.00%
20				4/6/4/6/4	Air	74	1.57776	1.57776	0.000	0.00%	0.531181	0.531181	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Argon	75	1.264061	1.264061	0.000	0.00%	0.531666	0.531666	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Krypton	76	0.88078	0.88078	0.000	0.00%	0.532337	0.532337	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Xenon	77	0.689713	0.689713	0.000	0.00%	0.532783	0.532783	0.000	0.00%	0.62421	0.62421	0.000	0.00%
21			0.1	4/9/4/9/4	Air	78	1.217512	1.217512	0.000	0.00%	0.53175	0.53175	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Argon	79	0.97402	0.97402	0.000	0.00%	0.53217	0.53217	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Krypton	80	0.726904	0.726904	0.000	0.00%	0.532786	0.532786	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Xenon	81	0.689409	0.689409	0.000	0.00%	0.5338	0.5338	0.000	0.00%	0.62421	0.62421	0.000	0.00%
22				4/12/4/12/4	Air	82	1.028852	1.028852	0.000	0.00%	0.532123	0.532123	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Argon	83	0.834527	0.834527	0.000	0.00%	0.532502	0.532502	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Krypton	84	0.738912	0.738912	0.000	0.00%	0.533541	0.533541	0.000	0.00%	0.62421	0.62421	0.000	0.00%
					Xenon	85	0.717903	0.717903	0.000	0.00%	0.535052	0.535052	0.000	0.00%	0.62421	0.62421	0.000	0.00%
23				4/6/4/6/4	Air	86	1.497236	1.497236	0.000	0.00%	0.310589	0.310589	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Argon	87	1.169927	1.169927	0.000	0.00%	0.308509	0.308509	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Krypton	88	0.768157	0.768157	0.000	0.00%	0.306027	0.306027	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Xenon	89	0.567771	0.567771	0.000	0.00%	0.304723	0.304723	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Air	90	1.121386	1.121386	0.000	0.00%	0.308203	0.308203	0.000	0.00%	0.5329	0.5329	0.000	0.00%

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		Glass	emiss.	Glass/Gap/Glass (mm)	Gas		W7.4.06	W7.4.14	DIFF	DIFF (%)	W7.4.06	W7.4.14	DIFF	DIFF (%)	W7.4.06	W7.4.14	DIFF	DIFF (%)
24		Coated (Surface # 2 and # 5)	0.04	4/9/4/9/4	Argon	91	0.866181	0.866181	0.000	0.00%	0.306602	0.306602	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Krypton	92	0.607788	0.607788	0.000	0.00%	0.304863	0.304863	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Xenon	93	0.570055	0.570055	0.000	0.00%	0.304787	0.304787	0.000	0.00%	0.5329	0.5329	0.000	0.00%
25				4/12/4/12/4	Air	94	0.924545	0.924545	0.000	0.00%	0.306867	0.306867	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Argon	95	0.720523	0.720523	0.000	0.00%	0.30559	0.30559	0.000	0.00%	0.5329	0.5329	0.000	0.00%
					Krypton	96	0.622574	0.622574	0.000	0.00%	0.30485	0.304849	0.000	0.00%	0.5329	0.5329	0.000	0.00%
26	Quadruple Glazing	Two Panes Coated (Surface # 2 and # 5)	0.04	4/12/4/12/4/12/4	Air	98	0.788093	0.788093	0.000	0.00%	0.283786	0.283786	0.000	0.00%	0.48472	0.48472	0.000	0.00%
					Argon	99	0.625358	0.625358	0.000	0.00%	0.284516	0.284516	0.000	0.00%	0.48472	0.48472	0.000	0.00%
					Krypton	100	0.533774	0.533774	0.000	0.00%	0.285947	0.285947	0.000	0.00%	0.48472	0.48472	0.000	0.00%
					Xenon	101	0.513848	0.513848	0.000	0.00%	0.286789	0.286789	0.000	0.00%	0.48472	0.48472	0.000	0.00%

0.00% 0.00% 0.00%

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Max. Diff. 0.00% 0.00% 0.00%

**Note:** Type of Gas Space (concentration = 90%)