

Results Comparison WINDOW Version 6.3.74 to 7.4.14

Glazing Systems

6.3.74 Runs done 3/8/2013 (RM)

7.4.14 Runs done 12/09/2016 (RM)

Results are exactly the same as comparison between 6.3.74 and 7.4.06

SHGC differences partly due to wind speed change from 2.8 to 2.75 m/s in 7.1.47

ID	# Glazing Layers	Glazing				WINDO W ID#	U-factor (W/m <sup>2</sup> ·K)				SHGC (-)				VT (-)			
		Glass	emiss.	Glass/Gap/Glass (mm)	Gas		W6.3.74	W7.4.14	DIFF	DIFF (%)	W6.3.74	W7.4.14	DIFF	DIFF (%)	W6.3.74	W7.4.14	DIFF	DIFF (%)
1	Single Glazing	Un-Coated	0.84	N/A	N/A	1	5.878339	5.87993	0.002	0.03%	0.867570	0.867716	0.000	0.02%	0.899122	0.899122	0.000	0.00%
2	Double Glazing	Un-Coated	0.84	4/6/4	Air	2	3.147732	3.148549	0.001	0.03%	0.771759	0.771913	0.000	0.02%	0.813267	0.813267	0.000	0.00%
					Argon	3	2.902248	2.902941	0.001	0.02%	0.772483	0.772627	0.000	0.02%	0.813267	0.813267	0.000	0.00%
Krypton					4	2.595331	2.595891	0.001	0.02%	0.773410	0.773541	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
Xenon					5	2.453993	2.454549	0.001	0.02%	0.773940	0.774064	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
Air					6	2.729337	2.730005	0.001	0.02%	0.773095	0.773231	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
Argon					7	2.575361	2.575974	0.001	0.02%	0.773587	0.773716	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
3	Double Glazing	Un-Coated	0.84	4/12/4	Krypton	8	2.525193	2.525833	0.001	0.03%	0.774149	0.77427	0.000	0.02%	0.813267	0.813267	0.000	0.00%
					Xenon	9	2.505376	2.505981	0.001	0.02%	0.774370	0.774488	0.000	0.02%	0.813267	0.813267	0.000	0.00%
Air					10	2.750303	2.751087	0.001	0.03%	0.773753	0.773879	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
Argon					11	2.614048	2.614744	0.001	0.03%	0.774086	0.774208	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
Krypton					12	2.556087	2.556724	0.001	0.02%	0.774182	0.774301	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
Xenon					13	2.505376	2.505982	0.001	0.02%	0.774168	0.774288	0.000	0.02%	0.813267	0.813267	0.000	0.00%	
4	Double Glazing	One Pane Coated (Surface # 2)	0.2	4/6/4	Air	14	2.594770	2.595325	0.001	0.02%	0.650054	0.650335	0.000	0.04%	0.747527	0.747527	0.000	0.00%
					Argon	15	2.221767	2.222174	0.000	0.02%	0.648039	0.648286	0.000	0.04%	0.747527	0.747527	0.000	0.00%
Krypton					16	1.735679	1.735948	0.000	0.02%	0.645409	0.645611	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
Xenon					17	1.536618	1.536962	0.000	0.02%	0.643875	0.64405	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
Air					18	1.980118	1.980567	0.000	0.02%	0.646317	0.646535	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
Argon					19	1.740404	1.740812	0.000	0.02%	0.644895	0.645087	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
5	Double Glazing	One Pane Coated (Surface # 2)	0.2	4/12/4	Krypton	20	1.674741	1.675154	0.000	0.02%	0.643366	0.643533	0.000	0.03%	0.747527	0.747527	0.000	0.00%
					Xenon	21	1.628734	1.629094	0.000	0.02%	0.643241	0.643411	0.000	0.03%	0.747527	0.747527	0.000	0.00%
Air					22	2.054022	2.054611	0.001	0.03%	0.644658	0.64485	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
Argon					23	1.827472	1.827954	0.000	0.03%	0.643735	0.643911	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
Krypton					24	1.716379	1.716775	0.000	0.02%	0.643683	0.643861	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
Xenon					25	1.628734	1.629094	0.000	0.02%	0.643580	0.643752	0.000	0.03%	0.747527	0.747527	0.000	0.00%	
6	Double Glazing	One Pane Coated (Surface # 2)	0.1	4/6/4	Air	26	2.472502	2.473755	0.001	0.05%	0.626469	0.62486	0.000	0.03%	0.747290	0.74729	0.000	0.00%
					Argon	27	2.066739	2.06761	0.001	0.04%	0.622666	0.622845	0.000	0.03%	0.747290	0.74729	0.000	0.00%
Krypton					28	1.532732	1.533241	0.001	0.03%	0.620040	0.620177	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
Xenon					29	1.322035	1.32263	0.001	0.05%	0.618491	0.618602	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
Air					30	1.810307	1.811191	0.001	0.05%	0.620953	0.621105	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
Argon					31	1.548696	1.549448	0.001	0.05%	0.619523	0.619651	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
7	Double Glazing	One Pane Coated (Surface # 2)	0.1	4/12/4	Krypton	32	1.477354	1.478075	0.001	0.05%	0.617995	0.6181	0.000	0.02%	0.747290	0.74729	0.000	0.00%
					Xenon	33	1.423237	1.423861	0.001	0.04%	0.617901	0.618008	0.000	0.02%	0.747290	0.74729	0.000	0.00%
Air					34	1.898557	1.899685	0.001	0.06%	0.619325	0.619455	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
Argon					35	1.647795	1.648672	0.001	0.05%	0.618404	0.618519	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
Krypton					36	1.521286	1.521992	0.001	0.05%	0.618355	0.618471	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
Xenon					37	1.423237	1.423861	0.001	0.04%	0.618223	0.618334	0.000	0.02%	0.747290	0.74729	0.000	0.00%	
8	Double Glazing	One Pane Coated (Surface # 2)	0.04	4/6/4	Air	38	2.373881	2.374141	0.000	0.01%	0.378251	0.378572	0.000	0.08%	0.691028	0.691028	0.000	0.00%
					Argon	39	1.940390	1.940565	0.000	0.01%	0.372512	0.372782	0.000	0.07%	0.691028	0.691028	0.000	0.00%
Krypton					40	1.365197	1.36531	0.000	0.01%	0.364686	0.364882	0.000	0.05%	0.691028	0.691028	0.000	0.00%	
Xenon					41	1.145812	1.146055	0.000	0.02%	0.360003	0.360154	0.000	0.04%	0.691028	0.691028	0.000	0.00%	
Air					42	1.672381	1.672654	0.000	0.02%	0.367494	0.367718	0.000	0.06%	0.691028	0.691028	0.000	0.00%	
Argon					43	1.392339	1.392615	0.000	0.02%	0.363200	0.363383	0.000	0.05%	0.691028	0.691028	0.000	0.00%	
9	Double Glazing	One Pane Coated (Surface # 2)	0.04	4/12/4	Krypton	44	1.315455	1.315724	0.000	0.02%	0.359381	0.359539	0.000	0.04%	0.691028	0.691028	0.000	0.00%
					Xenon	45	1.254041	1.254261	0.000	0.02%	0.359772	0.359933	0.000	0.04%	0.691028	0.691028	0.000	0.00%
Air					46	1.772807	1.773189	0.000	0.02%	0.364303	0.364519	0.000	0.06%	0.691028	0.691028	0.000	0.00%	
Argon					47	1.501281	1.501596	0.000	0.02%	0.361747	0.361934	0.000	0.05%	0.691028	0.691028	0.000	0.00%	
Krypton					48	1.361194	1.361438	0.000	0.02%	0.361344	0.361522	0.000	0.05%	0.691028	0.691028	0.000	0.00%	
Xenon					49	1.254041	1.254261	0.000	0.02%	0.360316	0.360479	0.000	0.05%	0.691028	0.691028	0.000	0.00%	
10	Double Glazing	Un-Coated	0.84	4/6/4/6/4	Air	50	2.169352	2.169915	0.001	0.03%	0.694907	0.695059	0.000	0.02%	0.739219	0.739219	0.000	0.00%
					Argon	51	1.947486	1.947939	0.000	0.02%	0.695827	0.695966	0.000	0.02%	0.739219	0.739219	0.000	0.00%
Krypton					52	1.683896	1.684237	0.000	0.02%	0.696938	0.697062	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
Xenon					53	1.551743	1.552048	0.000	0.02%	0.697547	0.697662	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
Air					54	1.914354	1.914794	0.000	0.02%	0.695968	0.696105	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
Argon					55	1.746855	1.747222	0.000	0.02%	0.696677	0.696804	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
11	Double Glazing	Un-Coated	0.84	4/9/4/9/4	Krypton	56	1.572507	1.572834	0.000	0.02%	0.697501	0.697617	0.000	0.02%	0.739219	0.739219	0.000	0.00%
					Xenon	57	1.538811	1.539165	0.000	0.02%	0.697957	0.698067	0.000	0.02%	0.739219	0.739219	0.000	0.00%
Air					58	1.780329	1.780725	0.000	0.02%	0.696572	0.696701	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
Argon					59	1.647749	1.648093	0.000	0.02%	0.697147	0.697268	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
Krypton					60	1.569980	1.570353	0.000	0.02%	0.697818	0.69793	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
Xenon					61	1.556729	1.557094	0.000	0.02%	0.698295	0.698405	0.000	0.02%	0.739219	0.739219	0.000	0.00%	
12	Double Glazing	Two Panes Coated (Surface # 2 and # 5)	0.2	4/6/4/6/4	Air	62	1.677928	1.678265	0.000	0.02%	0.59262	0.59499	0.000	0.04%	0.626311	0.626311	0.000	0.00%
					Argon	63	1.381633	1.381861	0.000	0.02%	0.59972	0.560171	0.000	0.04%	0.626311	0.626311	0.000	0.00%
Krypton					64	1.021432	1.021561	0.000	0.01%	0.560903	0.561055	0.000	0.03%	0.626311	0.626311	0.000	0.00%	
Xenon					65	0.841731	0.841845	0.000	0.01%	0.561459	0.561586	0.000	0.02%	0.6263				

ID	# Glazing Layers	Glazing				WINDO W ID#	U-factor (W/m <sup>2</sup> -K)				SHGC (-)				VT (-)					
		Glass	emiss.	Glass/Gap/Glass (mm)	Gas		W6.3.74	W7.4.14	DIFF	DIFF (%)	W6.3.74	W7.4.14	DIFF	DIFF (%)	W6.3.74	W7.4.14	DIFF	DIFF (%)		
22	Two Panes Coated (Surface # 2 and # 5)	0.04	4/12/4/12/4	Air	82	1.028409	1.028852	0.000	0.04%	0.532000	0.532123	0.000	0.02%	0.624206	0.624206	0.000	0.00%			
				Argon	83	0.834214	0.834527	0.000	0.04%	0.532402	0.532502	0.000	0.02%	0.624206	0.624206	0.000	0.00%			
				Krypton	84	0.738565	0.738912	0.000	0.05%	0.533458	0.533541	0.000	0.02%	0.624206	0.624206	0.000	0.00%			
				Xenon	85	0.717575	0.717903	0.000	0.05%	0.534964	0.535052	0.000	0.02%	0.624206	0.624206	0.000	0.00%			
23		Two Panes Coated (Surface # 2 and # 5)	0.04	4/6/4/6/4	Air	86	1.497137	1.497236	0.000	0.01%	0.310345	0.310589	0.000	0.08%	0.532898	0.532898	0.000	0.00%		
					Argon	87	1.169867	1.169927	0.000	0.01%	0.308317	0.308509	0.000	0.06%	0.532898	0.532898	0.000	0.00%		
					Krypton	88	0.768127	0.768157	0.000	0.00%	0.305898	0.306027	0.000	0.04%	0.532898	0.532898	0.000	0.00%		
24			Two Panes Coated (Surface # 2 and # 5)	0.04	4/9/4/9/4	Xenon	89	0.567725	0.567771	0.000	0.01%	0.304629	0.304723	0.000	0.03%	0.532898	0.532898	0.000	0.00%	
						Air	90	1.121326	1.121386	0.000	0.01%	0.308019	0.308203	0.000	0.06%	0.532898	0.532898	0.000	0.00%	
						Argon	91	0.866142	0.866181	0.000	0.00%	0.306458	0.306602	0.000	0.05%	0.532898	0.532898	0.000	0.00%	
25				Two Panes Coated (Surface # 2 and # 5)	0.04	4/9/4/9/4	Krypton	92	0.607715	0.607788	0.000	0.01%	0.304766	0.304863	0.000	0.03%	0.532898	0.532898	0.000	0.00%
							Xenon	93	0.569948	0.570055	0.000	0.02%	0.304707	0.304787	0.000	0.03%	0.532898	0.532898	0.000	0.00%
	Air						94	0.924477	0.924545	0.000	0.01%	0.306716	0.306867	0.000	0.05%	0.532898	0.532898	0.000	0.00%	
26	Quadruple Glazing				0.04	4/12/4/12/4/12/4	Argon	95	0.720464	0.720523	0.000	0.01%	0.305473	0.30559	0.000	0.04%	0.532898	0.532898	0.000	0.00%
							Krypton	96	0.622455	0.622574	0.000	0.02%	0.304763	0.304849	0.000	0.03%	0.532898	0.532898	0.000	0.00%
							Xenon	97	0.600179	0.600293	0.000	0.02%	0.306239	0.306317	0.000	0.03%	0.532898	0.532898	0.000	0.00%
		Air					98	0.788023	0.788093	0.000	0.01%	0.283645	0.283786	0.000	0.05%	0.484721	0.484721	0.000	0.00%	
26		Quadruple Glazing			0.04	4/12/4/12/4/12/4	Argon	99	0.625302	0.625358	0.000	0.01%	0.284405	0.284516	0.000	0.04%	0.484721	0.484721	0.000	0.00%
							Krypton	100	0.533673	0.533774	0.000	0.02%	0.285867	0.285947	0.000	0.03%	0.484721	0.484721	0.000	0.00%
			Xenon				101	0.513750	0.513848	0.000	0.02%	0.286703	0.286789	0.000	0.03%	0.484721	0.484721	0.000	0.00%	

0.06% 0.08% 0.00%

0.00% 0.01% 0.00%

Max. Diff. 0.06% 0.08% 0.00%

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