

Guardian Industries introduces a revolutionary range of **High Durability** coated glass products that offer dramatic and distinctive colours on clear glass. This technological achievement provides consistent aesthetically pleasing exterior colour combined with a very natural and neutral views from the interior. These **High Durability** products can be tempered, laminated or bent. They can even be installed monolithically!



- ▶ Bold, vivid colours
- ▶ Local availability
- ▶ Large range of thicknesses
- ▶ Colour consistency
- ▶ Clear substrate ensures dependability of supply
- ▶ Clear, neutral appearance as viewed from inside
- ▶ Can be used monolithically ( #2 surface)
- ▶ Can be tempered, bent or laminated

Product	Visible Light			Colour Rendering Index $R_a(D65)$	Solar Energy		European Standards			American Standards (NFRC 100 - 2001)				Light to Solar Gain
	Transmission %	Reflection Outside %	Reflection Inside %		Direct Transmission %	Reflection Outside %	Solar Factor, (g) EN 410 %	Shading Coefficient	U-Value, EN 673 $W/(m^2K)$	Winter		Summer		
										U-Value, Night time $BTU/hr.ft^2.F$	U-Value, Day time $BTU/hr.ft^2.F$	SHGC	Relative Heat Gain $BTU/hr.ft^2$	
<b>Guardian HD Colours - 6 mm Clear - Monolithic</b>														
<b>HD Colour Coating #2 Surface</b>														
HD Bronze	24	14	2	95	19	16	33	0.38	4.7	0.83	0.72	0.35	93	0.67
HD Blue	26	21	28	99	23	17	37	0.43	5.1	0.91	0.80	0.40	105	0.64
HD Grey	20	12	5	94	18	13	33	0.38	5.0	0.89	0.78	0.37	97	0.53
HD Green	33	27	16	96	33	16	45	0.52	5.3	0.94	0.84	0.47	121	0.71
<b>Guardian HD Colours - 6 mm Clear / 12 mm a.s. / 6 mm Clear</b>														
<b>HD Colour Coating #2 Surface</b>														
HD Bronze	21	14	10	95	16	16	24	0.28	2.4	0.41	0.43	0.27	67	0.80
HD Blue	23	21	31	98	20	17	28	0.33	2.6	0.44	0.46	0.31	77	0.76
HD Grey	18	12	12	95	15	13	24	0.28	2.6	0.43	0.46	0.27	68	0.65
HD Green	30	28	21	95	28	17	36	0.41	2.7	0.45	0.47	0.38	93	0.80
<b>Guardian HD Colours - 6 mm Clear / 12 mm a.s. / 6 mm Clear</b>														
<b>HD Colour Coating #2 Surface, ClimaGuard Neutral 70 #3 surface</b>														
HD Bronze	18	14	8	96	12	16	21	0.24	1.8	0.32	0.33	0.22	55	0.80
HD Blue	20	21	23	97	15	17	24	0.28	1.9	0.33	0.33	0.26	63	0.77
HD Grey	15	12	10	96	11	14	20	0.23	1.9	0.33	0.33	0.22	55	0.68
HD Green	25	28	16	93	20	18	31	0.36	1.9	0.33	0.33	0.31	76	0.81

Notes: • Guardian reserves the right to change product performance characteristics without notice or obligation. • The performance values shown are nominal and subject to variations due to manufacturing tolerances. • Guardian performance data are calculated in accordance with the LBNL Window 5.2 computer analysis using an air mass of 1.5. • May require heat strengthening or tempering to resist potential thermal stresses. Please contact Guardian for assistance. • A slight shift in visible light reflectance or transmission may be noticed after heat-treatment.