

	External Colour	Visible Trans. %	Visible Reflec. (Ext.) %	Direct Solar Trans. %	Solar Reflec. %	Solar Absorption %	Relative Heat Gain (W/m ²)	Centre Of Glass S.H.G.C	Shading Coeff.	Centre of Glass U-value (W/m ² .K)
X2® Standard	Clear	67	13	42	17	41	381	0.51	0.58	1.85
X2® Plus	Neutral	54	13	38	11	51	356	0.47	0.54	1.90
X2® Elite	Neutral	52	11	34	11	55	337	0.44	0.51	1.85
X2® Superior	Clear	69	12	32	29	38	291	0.38	0.44	1.65

Note:

Above values are based on NFRC 100-2010 design parameters, calculated using Windows 7.4 and IGDB* values.

U-values quoted are “centre of glass”(COG) and exclude frame effects. SANS 204 should be consulted for U-values of glazed fenestrations.

Performance figures are based on a nominal 6mm thickness. Slight variations may occur due to manufacturing tolerances.

All safety glass supplied by PG Building Glass complies with the requirements of SANS 1263: Part 1 and is manufactured according to an ISO 9001 Quality Management System.

At design stage, the specifier must request a thermal stress evaluation on all products having a solar absorption of 50% or more (refer to above tabulation).

These products should also always be machine-polished all round(PAR).

* International Glazing Data Base (the South African Glass Data Base is also available for referencing).

** S.T.L. = Mean Sound Trans. Loss 100 - 5000Hz