

	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)
X1® Standard	Clear	83	11	66	9	24	540	0.71	0.81	3.65
X1® Plus	Neutral	60	10	47	9	44	427	0.55	0.63	3.65
X1® Elite	Neutral	43	14	32	12	56	338	0.43	0.49	3.65

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