

|  PG Building Glass<br>PROCESSING | External Colour | Visible Trans. % | Visible Reflec. (Ext.) % | Direct Solar Trans. % | Solar Reflec. % | Solar Absorption % | Relative Heat Gain (W/m2) | Centre Of Glass S.H.G.C | Shading Coeff. | Centre of Glass U-value (W/m2.K) |
|------------------------------------------------------------------------------------------------------------------|-----------------|------------------|--------------------------|-----------------------|-----------------|--------------------|---------------------------|-------------------------|----------------|----------------------------------|
| <b>X1® Product Range</b>                                                                                         |                 |                  |                          |                       |                 |                    |                           |                         |                |                                  |
| X1® E                                                                                                            | Clear           | 83               | 11                       | 66                    | 9               | 24                 | 540                       | 0.71                    | 0.81           | 3.7                              |
| X1® Standard E (Lam)                                                                                             | Neutral         | 60               | 10                       | 47                    | 9               | 44                 | 427                       | 0.55                    | 0.63           | 3.7                              |
| X1® Advanced E (TSG)                                                                                             | Clear           | 60               | 8                        | 44                    | 7               | 49                 | 414                       | 0.53                    | 0.61           | 3.7                              |
| X1® Elite E (Lam)                                                                                                | Neutral         | 43               | 14                       | 32                    | 12              | 56                 | 338                       | 0.43                    | 0.49           | 3.7                              |
| <b>X2® Product Range</b>                                                                                         |                 |                  |                          |                       |                 |                    |                           |                         |                |                                  |
| X2® (No Low E)                                                                                                   | Clear           | 79               | 15                       | 62                    | 12              | 27                 | 526                       | 0.70                    | 0.80           | 2.7                              |
| X2® E                                                                                                            | Clear           | 73               | 16                       | 55                    | 14              | 31                 | 470                       | 0.63                    | 0.72           | 1.9                              |
| X2® Standard (No Low E) (Lam)                                                                                    | Neutral         | 60               | 11                       | 48                    | 10              | 43                 | 437                       | 0.57                    | 0.66           | 2.7                              |
| X2® Plus E (TSG)                                                                                                 | Clear           | 67               | 13                       | 42                    | 17              | 41                 | 381                       | 0.51                    | 0.58           | 1.9                              |
| X2® Elite E (Lam)                                                                                                | Neutral         | 39               | 13                       | 24                    | 14              | 62                 | 271                       | 0.35                    | 0.41           | 1.8                              |
| X2® Advanced E (TSG)                                                                                             | Clear           | 54               | 11                       | 36                    | 9               | 56                 | 343                       | 0.45                    | 0.52           | 1.9                              |
| X2® Superior E (TSG)                                                                                             | Clear           | 69               | 12                       | 32                    | 29              | 38                 | 291                       | 0.38                    | 0.44           | 1.7                              |
|                                                                                                                  |                 |                  |                          |                       |                 |                    |                           |                         |                |                                  |

**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 10400 XA Requires FRAMED Values for compliance.**

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