



PERFORMANCE DATA

THERMO-SAFE - GP[®] CLEAR-TINTED -LOW E FLOAT PRODUCTS - SINGLE GLAZED TOUGHENED

| SINGLE GLAZED TOUGHENED | Visible Light | | Solar Energy | | | | | | |
|--|----------------------|------------------|---------------------|------------------|---------------------|-----------------------|-----------------|-----------------------|---|
| | Trans.% | Reflect.% | Total Elim.% | Reflect.% | Absorption.% | Direct Trans.% | S.H.G.C. | Shading Coeff. | U-Value (centre of glass) W/m2.K |
| THERMO-SAFE GP [®] CLEAR FLOAT 6mm | 88 | 8 | 17 | 7 | 15 | 78 | 0.83 | 0.95 | 5.8 |
| TINTED FLOAT PRODUCTS | | | | | | | | | |
| THERMO-SAFE GP [®] BRONZE FLOAT 4mm | 62 | 6 | 28 | 7 | 30 | 63 | 0.72 | 0.83 | 5.9 |
| THERMO-SAFE GP [®] BRONZE FLOAT 6mm | 51 | 5 | 35 | 5 | 43 | 51 | 0.65 | 0.74 | 5.8 |
| THERMO-SAFE GP [®] GREY FLOAT 4mm | 56 | 6 | 32 | 6 | 37 | 57 | 0.68 | 0.79 | 5.9 |
| THERMO-SAFE GP [®] GREY FLOAT 6mm | 43 | 5 | 40 | 5 | 50 | 45 | 0.60 | 0.69 | 5.8 |
| THERMO-SAFE GP [®] GREEN FLOAT 4mm | 78 | 8 | 37 | 5 | 45 | 50 | 0.63 | 0.73 | 5.8 |
| THERMO-SAFE GP [®] GREEN FLOAT 6mm | 72 | 7 | 44 | 6 | 55 | 39 | 0.56 | 0.65 | 5.8 |
| LOW EMISSIVITY PRODUCTS | | | | | | | | | |
| THERMO-SAFE GP [®] LOW E 4mm | 82 | 11 | 26 | 11 | 19 | 70 | 0.74 | 0.85 | 3.7 |
| THERMO-SAFE GP [®] LOW E 6mm | 81 | 11 | 29 | 10 | 23 | 67 | 0.71 | 0.82 | 3.7 |
| THERMO-SAFE GP [®] LOW E 8mm | 81 | 11 | 31 | 9 | 27 | 64 | 0.69 | 0.79 | 3.7 |
| | | | | | | | | | |

Above Values have been calculated assuming NFRC 100-2010 design parameter, and are given as an indication only. **U-Values quoted** are "centre of glass" and exclude any frame effects. Slight variations may occur due to manufacturing tolerances. All safety glass supplied by Glass Partners is certified to comply with the requirements of SANS 1263 Part 1.

Thermal safety guarantees are available on application. It is recommended that all heat absorbing glass is checked for thermal safety compliance at the design stage of all projects.

Whilst this document was prepared & is presented in good faith, Glass Partners hereby disclaim all liability howsoever arising from any error or omission in it, & for any consequences of relying on it.

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