



**GLASS PARTNERS**

**PERFORMANCE DATA**

**THERMO-SIG - GP<sup>®</sup> HIGH REFLECTIVE LAMINATED LOW E PRODUCTS - DOUBLE GLAZED UNITS**

<i>DOUBLE GLAZED UNITS OUTER GLASS*</i>	Visible Light		Solar Energy						S.T.L ( dB)	
	Trans.%	Reflect.%	Total Elim.%	Reflect.%	Absorption%	Direct Trans.%	S.H.G.C.	Shading Coeff.	U-Value (centre of glass) W/m2.K	S.T.L ( dB)
THERMO-SUN GP <sup>®</sup> 10 SILVER LOW E	13	34	83	34	56	10	0.17	0.19	1.90	33
THERMO-SUN GP <sup>®</sup> 20 SILVER LOW E	17	29	81	29	59	12	0.19	0.22	1.90	33
THERMO-SUN GP <sup>®</sup> 30 SILVER LOW E	27	19	74	20	61	19	0.26	0.30	1.90	33
THERMO-SUN GP <sup>®</sup> 10 BRONZE LOW E	8	22	86	34	59	7	0.14	0.15	1.90	33
THERMO-SUN GP <sup>®</sup> 20 BRONZE LOW E	10	21	84	29	63	8	0.16	0.18	1.90	33
THERMO-SUN GP <sup>®</sup> 30 BRONZE LOW E	16	18	80	19	68	13	0.20	0.23	1.90	33
THERMO-SUN GP <sup>®</sup> 10 GREY LOW E	6	19	87	34	60	6	0.13	0.15	1.90	33
THERMO-SUN GP <sup>®</sup> 20 GREY LOW E	8	18	85	29	64	7	0.15	0.17	1.90	33
THERMO-SUN GP <sup>®</sup> 30 GREY LOW E	12	18	82	19	70	11	0.18	0.21	1.90	33
THERMO-SUN GP <sup>®</sup> 10 BLUE LOW E	11	29	84	34	57	9	0.16	0.18	1.90	33
THERMO-SUN GP <sup>®</sup> 20 BLUE LOW E	15	26	82	29	60	11	0.18	0.21	1.90	33
THERMO-SUN GP <sup>®</sup> 30 BLUE LOW E	23	18	75	20	63	17	0.25	0.28	1.90	33

\* DOUBLE GLAZING MAKE UP: 24mm NOMINAL THICKNESS - "THERMO " PRODUCTS - OUTER / 12mm AIR GAP / Float, Toughened OR Laminated - INNER

Above products available in 3 strengths - N.S. - Normal Strength , H.P.R. High penetration Resistance and HI - High Impact.

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 laminated safety glass is checked for thermal safety compliance at the design stage of all projects.

Sound transmission Loss (S.T.L.) values are mean, measured at the centre frequency of the 1/3 octave band, over the frequency range 100 to 5000Hz, centre of glass.

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