



GUARDIAN EUROPE Sàrl
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Guardian Clear

Comment

		Guardian Clear									
		EN 572-9:2005									
		Basic soda lime silicate glass intended to be used in buildings and construction works values as of September 2006									
		02mm	03mm	04mm	05mm	06mm	08mm	10mm	12mm	15mm	19mm
Resistance to fire		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire		A1	A1	A1	A1	A1	A1	A1	A1	A1	A1
External fire performance		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Bullet resistance		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Explosion resistance		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Burglar resistance		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Pendulum body impact resistance		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Resistance against sudden temperature changes and temperature differentials	K	40	40	40	40	40	40	40	40	40	40
Wind, snow, permanent and imposed load resistance	mm	2	3	4	5	6	8	10	12	15	19
Direct airborne sound insulation	dB	NPD 28 (-1;-4)	29 (-2;-3)	30 (-1;-2)	31 (-2;-3)	32 (-2;-3)	33 (-2;-3)	34 (0;-2)	36 (-1;-3)	37 (-1;-3)	
Thermal properties											
Thermal transmittance (U-value)	W/(m ² .K)	5.8	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.4	5.3
Radiation properties											
Light transmission τ _V		0.91	0.90	0.90	0.89	0.89	0.88	0.87	0.87	0.85	0.84
Light reflection ρ _V		0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07
Solar energy transmission τ _E		0.88	0.86	0.84	0.83	0.82	0.79	0.76	0.73	0.70	0.66
Solar energy reflection ρ _E		0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07

NPD = No Performance Determined



All values are nominal values and subject to product tolerances Disclaimer: The Information contained in this publication is a general description of glass products and GUARDIAN hereby disclaims all liability howsoever arising from any inaccuracy in or omissions from this publication and all the consequences of relying on it. It is the responsibility of the users of this information to ensure that the intended application of glass products is appropriate and complies with all relevant laws, regulations, standards, codes of practices and other requirements.

