



CE MARKING OF HEAT TEMPERED SAFETY GLASS

EN 12150-2:2004



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Declares under its responsibility the following features for CE marking of its products for use in building and construction works:

Transformados glass soda-lime silicate glass CLEAR Tempered safety

Glass Tempered characteristics:	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	19 mm
1. Safety in case of fire								
1.1 Resistance to fire (EN 13501-2)	PND	PND	PND	PND	PND	PND	PND	PND
1.2 Reaction to fire (EN 13501-1) (1)	A1	A1	A1	A1	A1	A1	A1	PND
1.3 Performance of external fire performance	PND	PND	PND	PND	PND	PND	PND	PND
2. Safe to use: Use as anti-bullet glazing or anti-explosion								
2.1 Resistance to bullets (EN 1063)	PND	PND	PND	PND	PND	PND	PND	PND
2.2 Resistance to explosions (EN 13541)	PND	PND	PND	PND	PND	PND	PND	PND
3. Safe to use: Uses susceptible to risks of "safe use"								
3.1 break-resistance (EN 356)	PND	PND	PND	PND	PND	PND	PND	PND
3.2 Resistance Pendulum body impact (EN 12600) (2)	1 (C) 2	1 (C) 2	1 (C) 2	1 (C) 2	1 (C) 2	1 (C) 2	1 (C) 2	1 (C) 2
3.3 Mechanical resistance to sudden changes temperature and temperature difference (EN 12150-1) (2)	200 K	200 K	200 K	200 K	200 K	200 K	200 K	200 K
3.4 Mechanical resistance to wind loads, snow, carga permanent and / or imposed (EN12150-1) (2)	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm	15 mm	19 mm
4. Protection against noise								
4.1 Sound insulation direct airborne noise (EN 12758): R_w (C, Ctr) (1)	29 (-2, -3)	30 (-1, -2)	31 (-2, -3)	32 (-2, -3)	33 (-2, -3)	34 (0, -2)	34 (0, -2)	34 (0, -2)
5. Energy conservation and heat retention								
5.1 Thermal properties: transmittance (U value) (EN 673) (1)	5, 8	5, 7	5, 7	5, 6	5, 6	5, 5	5, 4	PND
En normal emissivity 5.2 (EN 12898) (1)	PND	PND	PND	PND	PND	PND	PND	PND
5.3 Features bright (EN 410): ζ_v / ρ_v (%) (1)	90/8	89/8	89/8	88/8	87/8	87/8	85/8	PND
5.4 Characteristics of solar energy (EN 410): ζ_c / ρ_c (%) (1)	84/8	83/8	82/7	79/7	76/7	74/7	70/7	PND
Coefficient 5.5 g (EN 410)	PND	PND	PND	PND	PND	PND	PND	PND

NDP: Provision Unreported

(1) Provision stated by the manufacturer of glass, not altered by the thermal annealing process

(2) Compliance is established by tests conducted by LGAI TECHNOLOGICAL CENTER (Agency Notificado No. 0370 for conformity assessment of products within the scope of the CPD 89/106/EEC)