

**Saint-Gobain Glass**

Les Miroirs, 92096 La Défense, France

30/06/2006

EN 14449

Laminated safety glass
intended to be used in buildings and construction works

SGG STADIP 32.1

L0103241

Characteristics:*For uses relating to safety in case of fire:*

Resistance to fire	NPD
Reaction to fire	NPD
External fire performance	NPD

for uses as anti-bullet or anti-explosion glazing

Bullet resistance	NPD
Explosion resistance	NPD

for uses liable to present "safety-in-use" risks and subject to such regulations

Burglar resistance	NPD
Pendulum body impact resistance	2B2
Resistance against sudden temperature changes and temperature differentials	K
Wind, snow, permanent and imposed load resistance	mm

for uses relating to noise reduction

Direct airborne sound insulation	dB
----------------------------------	----

for uses relating to energy conservation

Thermal / Radiation properties:

Emissivity ε_d		0,89
U-value	W/(m ² .K)	NPD
Light transmission τ_L		0,89
Light reflection ρ_L/ρ'_L		0,08/0,08
Solar energy transmission τ_E		0,76
Solar energy reflection ρ_E/ρ'_E		0,07/0,07
g-value		0,8

Dangerous substances:

No

NPD : No Performance Determined