



## DECLARATION OF PERFORMANCE

**Glassolutions of Saint-Gobain**

Les Miroirs, 92096 La Défense, France

2/10/2017

EN 1279-5:2005+A2:2010

Insulating glass units

intended to be used in buildings and construction works

SGG CLIMALIT SECURIT OPALE MIRASTAR F1 6(14 air)44.1

D1001804

NB: 0336, 0497, 0679, 0757, 0809, 1116, 1136, 1154, 1174, 1234, 1322, 1694, 1717, 1750, 1751

Essential characteristics		AVCP Systems	Performances
<b>For uses relating to safety in case of fire:</b>			
Resistance to fire		1	NPD
Reaction to fire		3,4	NPD
External fire performance		3,4	NPD
<b>for uses as anti-bullet or anti-explosion glazing</b>			
Bullet resistance		1	NPD
Explosion resistance		1	NPD
<b>for uses liable to present "safety-in-use" risks and subject to such regulations</b>			
Burglar resistance		3	NPD
Pendulum body impact resistance		3	1C2/2B2
Resistance against sudden temperature changes and temperature differentials	K	4	200/40
Wind, snow, permanent and imposed load resistance	mm	4	6/14/8
<b>for uses relating to noise reduction</b>			
Direct airborne sound insulation	dB	3	NPD
<b>for uses relating to energy conservation</b>			
Declared emissivity $\varepsilon_s$		3	NPD
U-value	W/(m <sup>2</sup> .K)	3	2.7
Light transmittance $\tau_v$		3	NPD
Light reflectance $\rho_v/\rho'_v$		3	NPD
Solar direct transmittance $\tau_s$		3	NPD
Solar direct reflectance $\rho_s/\rho'_s$		3	NPD
g-value		3	NPD
Durability		3	PASS

NPD : No Performance Determined

MIRASTAR F1 air 0 SECURIT

**The performance of the product is in conformity with the declared performances.****This declaration of performance is issued under the sole responsibility of the manufacturer.****Signed for and on behalf of the manufacturer by:**

Marc Maurer

2/10/2017

Vice President Operations

LA DEFENSE FRANCE