



HIGH SELECTIVE GLASS

SunGuard Super Neutral 51

MORE NATURAL LIGHT. LESS HEAT GAIN. GREATER ENERGY SAVINGS.



Project : Lex 2000, Brussels, Belgium

Visible Light		Solar	Solar Factor		Shading Coefficient		U value	
Total Transmission %	Reflection Outside %	Absorption %	EN 410 %	DIN 67507 % g	g EN / 0.87	g DIN / 0.87	Air W/m ² K	Argon (90%) W/m ² K
51	12	37	28	26	0.32	0.30	1.4	1.1

Architects and owners regularly choose coated glass products that offer very high natural light transmission while ensuring energy savings and solar protection. SunGuard High Selective products meet these requirements. The multifunctional coating minimises the need for artificial light and have excellent solar protection combined with excellent thermal insulation.

- **Neutral reflected and transmitted colour**
- **Available in Laminated form**
- **Has a heat treatable form**
- **Low solar heat gain**
- **High light transmission**
- **High selectivity**



SUPER NEUTRAL 51

SUNGUARD HIGH SELECTIVE



Glazing combination

Outer pane 6 mm SunGuard Super Neutral 51 # 2

Cavity

Inner pane 4 mm ExtraClear Float # 0

Indicates the position of any coated surface. The glass surfaces of an insulating glass unit are numbered from the outside to the inside.

Glass Code 51/28

Light properties

Light transmission	External light reflection	Internal Light reflection
51	12	23

Solar properties

Direct transmission	Reflection	Absorption	Total transmission
26	37	37	28

Shading coefficients

Total	Short wave	Long Wave
0.32	0.28	0.04

U value (Super Neutral 51 $\epsilon_n = 0.02$)

Cavity width (mm)	10	12	14	16	18	20
Air (W/m ² K)	1.8	1.6	1.4	1.3	1.3	1.4
Argon (90%) (W/m ² K)	1.4	1.2	1.1	1.1	1.1	1.2

Environmental solar gain factors

Mean	Alternating Light	Alternating Heavy
0.27	0.22	0.17

The calculated performance values are indicative only, for the insulating glass unit specifications as listed. The performance values for light, solar and thermal properties are calculated according to the general principles of EN 673 and EN 410.

Acoustic attenuation

6mm / 16mm argon / 4mm

R_w (C;Ctr) = 35 (-2;-6)

R_w = 35 dB

R_A = 33 dB

$R_{A, tr}$ = 29 dB

The acoustic attenuation data is taken from laboratory measurements.

The information on this sheet is for guidance purposes and only relate to the glass construction.

SunGuard coating position

