



HIGH SELECTIVE GLASS

SunGuard Super Neutral 70

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



Project : Pirelli Headquarters, Milano, Italy

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
70	11	28	41	38	0.47	0.44	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 70

SUNGUARD HIGH SELECTIVE



Glazing combination

Outer pane 6 mm SunGuard Super Neutral 70 # 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 70/41

Light properties

Light transmission	External light reflection	Internal Light reflection
70	11	12

Solar properties

Direct transmission	Reflection	Absorption	Total transmission
39	34	28	41

Shading coefficients

Total	Short wave	Long Wave
0.47	0.42	0.05

U value (Super Neutral 70 $\epsilon_n = 0.03$)

Cavity width (mm)	10	12	14	16	18	20
Air (W/m ² K)	1.8	1.6	1.5	1.4	1.4	1.4
Argon (90%) (W/m ² K)	1.4	1.3	1.2	1.1	1.1	1.2

Environmental solar gain factors

Mean	Alternating Light	Alternating Heavy
0.39	0.32	0.25

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

