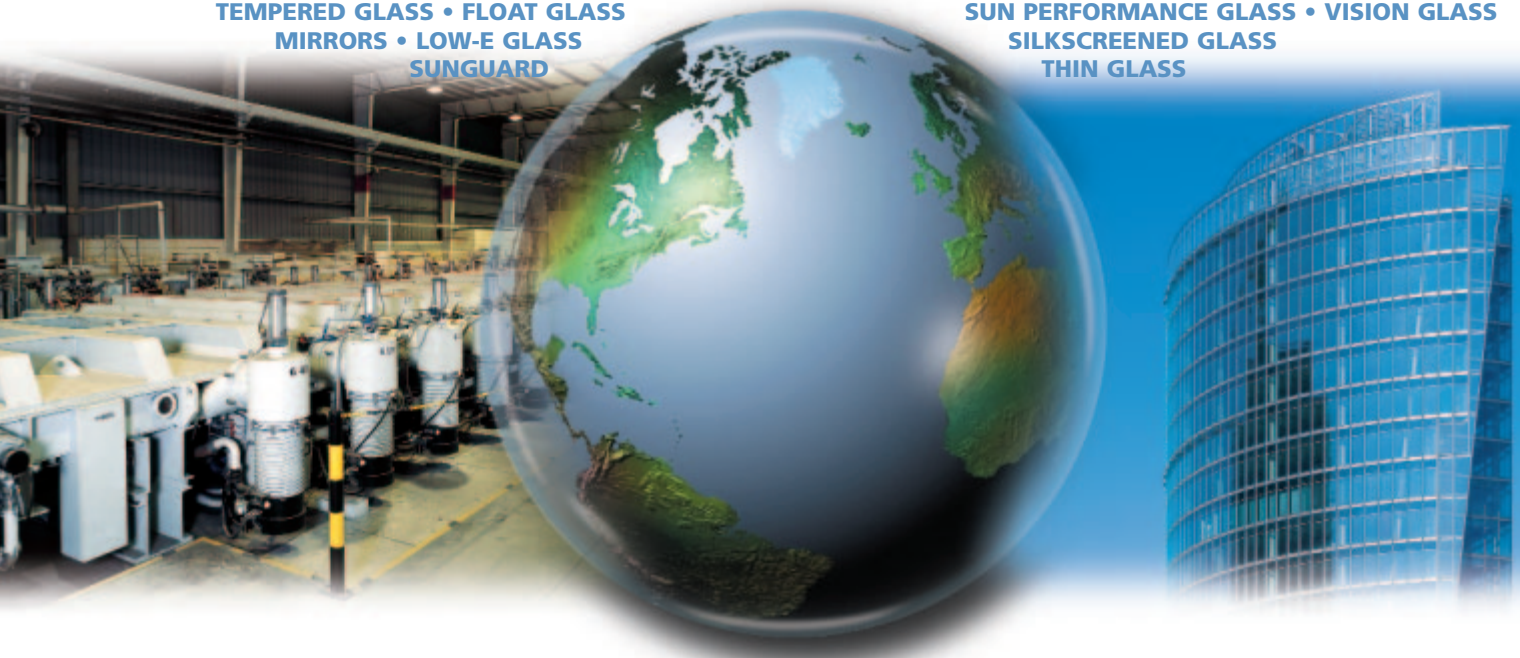


Superneutral 63

Combined solar control
and thermal insulation glass

REFLECTIVE GLASS • LAMINATED GLASS
TEMPERED GLASS • FLOAT GLASS
MIRRORS • LOW-E GLASS
SUNGUARD

PATTERNED GLASS • HORTICULTURAL GLASS
SUN PERFORMANCE GLASS • VISION GLASS
SILKSCREENED GLASS
THIN GLASS



Superneutral 63 is a high performance low-emissivity glass that combines thermal insulating and solar control characteristics. It is designed to be used in double glazing units on the surface #2 of the outer pane. The high performant heat-reflecting metallic coating is deposited on float glass by means of a magnetron sputtering process. This high selective coating offers a low solar factor with a high light transmission. The low outside reflectance remains in a very neutral colour.





Characteristics

- Very low emissivity ($e = 0.04$) allows to reach U-values of $1.1 \text{ W/m}^2\cdot\text{K}$ for an argon filled 6/16/6 IG-unit
- Very low g-value (32%)
- High light transmission of 63%, but controlled at such a level, that undesirable glare is reduced
- Very good selectivity ($63/32=1,97$)
- Important heating / cooling savings and less environmental pollution
- Very high thermal comfort – no "cold wall" effect inside the room
- Low neutral outdoor reflectance
- Good colour harmonizing spandrel available
- Uncritical for thermal breakage due to low energy absorption
- Offers insulating glass producers an exceptional opportunity to complete their range with a winning product

Applications

All double glazed facade applications, including curtain walling, commercial windows, constructions with large glazed areas, roof glazing, atriums and bolted glass systems.

Availability

Dimensions:	annealed	tempered + heatsoak	heat-strengthened
Max. stock sizes [mm]	6000 x 3210	4000 x 2000	3650 x 2000
Min. dimensions [mm]	700 x 300	700 x 300	700 x 300
Thickness [mm]	6, 8, 10, 12	6, 8, 10, 12	6, 8, 10

Other thickness might be available upon request. Tolerance according to DIN 572-2. Heatsoaktest according to DIN 18516 Part 4.

Performance data

IG-unit configuration: 6/16/6 with SN 63 on Pos. #2

	Superneutral 63
■ Light transmittance	63 %
■ Light reflectance outside	14 %
■ Direct energy transmittance	29 %
■ Energy reflectance	33 %
■ Energy absorptance	38 %
■ Solar factor (g-value)	32 %
■ Shading coefficient total	0.37
■ Shading coefficient <2500 nm	0.33
■ Shading coefficient >2500 nm	0.04
■ U-value, air filled	$1.4 \text{ W/m}^2\cdot\text{K}$
■ U-value, argon filled	$1.1 \text{ W/m}^2\cdot\text{K}$
■ Colour rendering index	92
■ Selectivity number	1.97
■ Spandrel	RDS-52 SN

All values are nominal values and slight variations may occur due to manufacturing tolerances. Spectrophotometrical values according to DIN 67507. U-values are measured according to DIN 52619 Part 2 and calculated in accordance with BS EN 673. Colour rendering index according to DIN 6169.