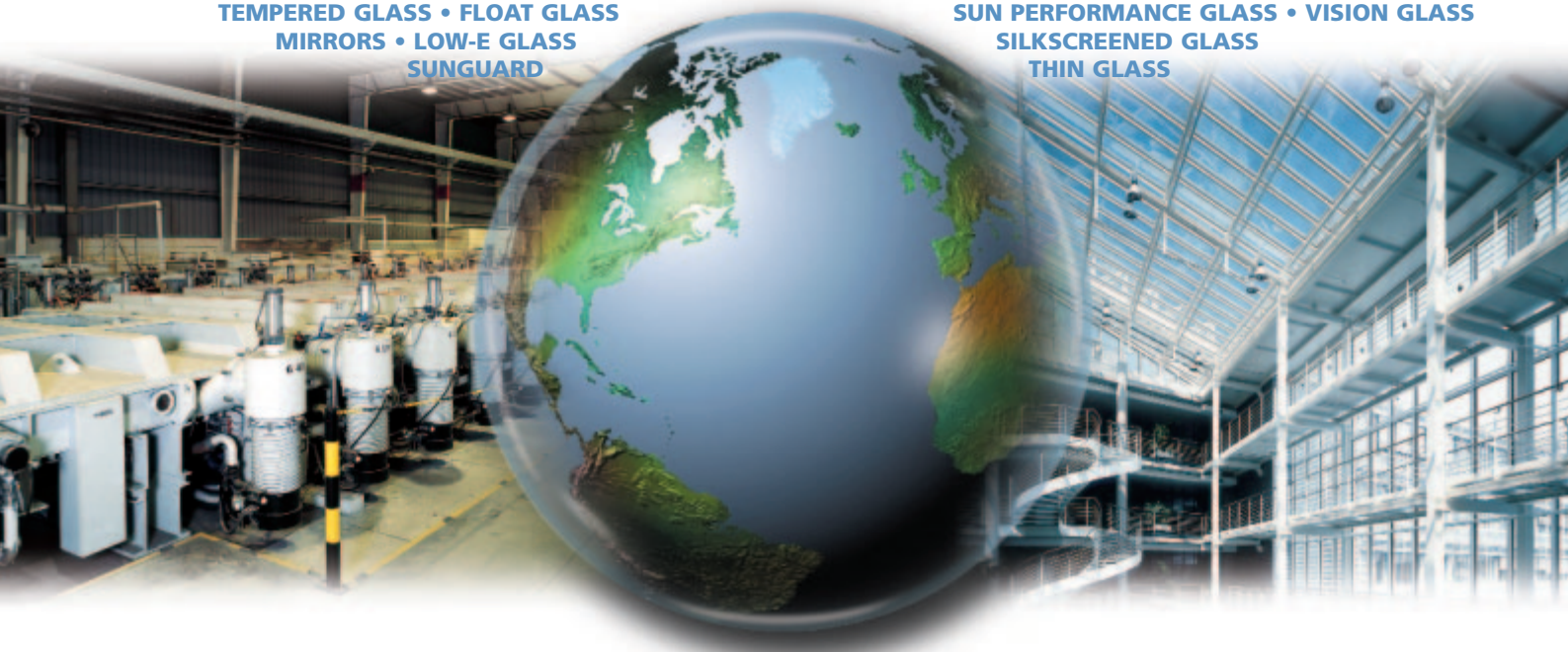



Neutral 52, Natural 62

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**



The image shows a multi-story building with a glass roof and multiple levels of balconies. The balconies have metal railings and are connected by a spiral staircase on the left. The building is filled with natural light from the glass roof. The text is overlaid on the right side of the image.

Neutral 52 and Natural 62 are high performance selective coatings allowing to combine thermal insulation with solar control. The coatings are designed to be used on position #2 of an IG-unit. The metallic coating that is applied by means of a magnetron sputtering process allows to reach a low solar factor combined with a good light transmission and with a very low neutral outside reflectance.



Characteristics

- Very low neutral outside reflectance
- U-values down to 1.2 W/m².K for an argon filled 6/16/6 IG-unit
- Good light transmission
- Very good colour rendering
- Uncritical for thermal breakage due to medium energy absorption
- Colour harmonizing spandrel for N 52 available

Applications

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

Availability

Dimensions:	annealed	tempered	heat-strengthened
Maximum stock sizes [mm]	6000 x 3210	4000 x 2000	3650 x 2000
Minimum 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.

Performance data

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

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.

	NEUTRAL 52	NATURAL 62
■ Light transmittance	50 %	63 %
■ Light reflectance outside	15 %	15 %
■ Direct energy transmittance	34 %	38 %
■ Energy reflectance	20 %	30 %
■ Energy absorptance	46 %	32 %
■ Solar factor (g-value)	39 %	42 %
■ Shading coefficient total	0.46	0.49
■ Shading coefficient < 2500 nm	0.39	0.44
■ Shading coefficient > 2500 nm	0.07	0.05
■ U-value air filled	1.5 W/m ² .K	1.5 W/m ² .K
■ U-value argon filled	1.2 W/m ² .K	1.2 W/m ² .K
■ Colour rendering index	96	96
■ Spandrel	RDS-52	

