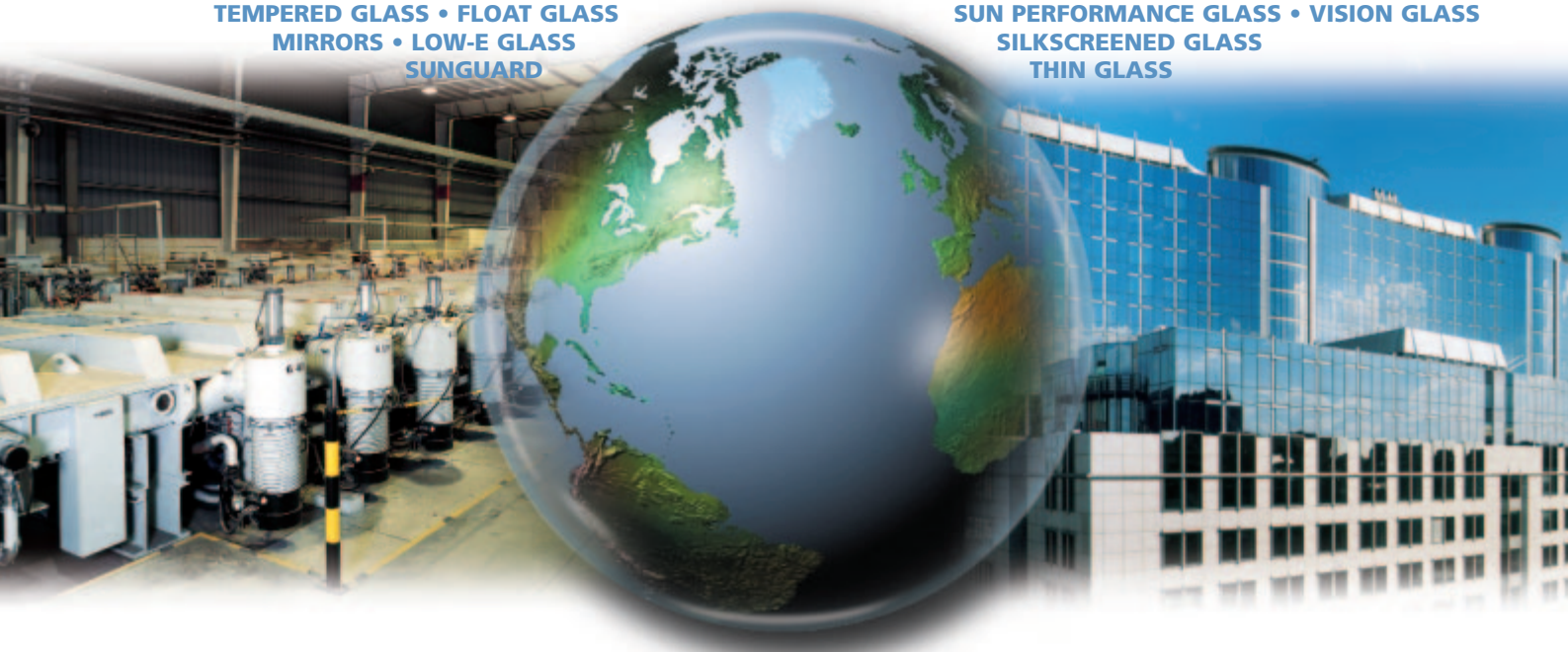


# Silver 43, Silver 50

Combined solar control  
and thermal insulation glass

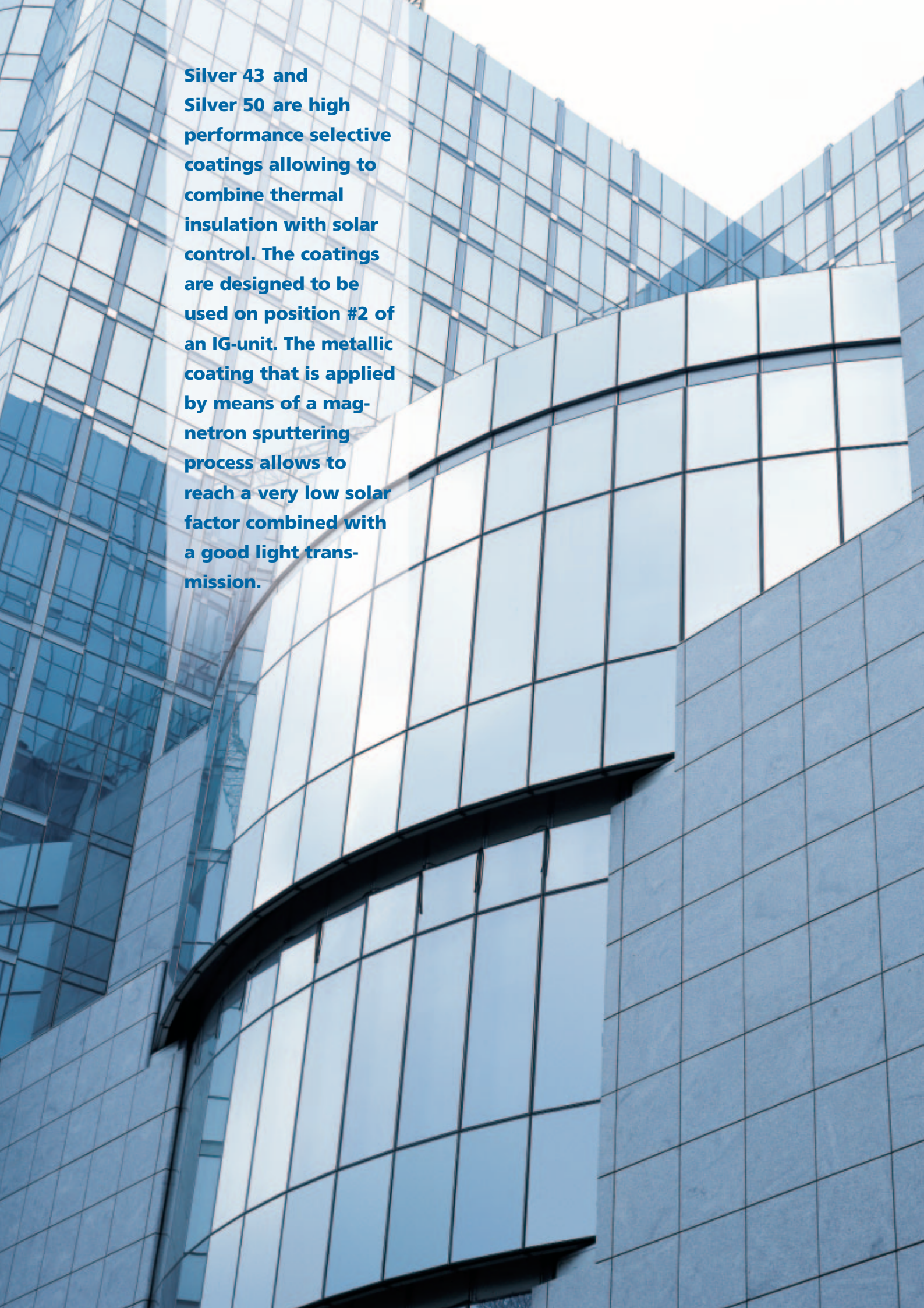
REFLECTIVE GLASS • LAMINATED GLASS  
TEMPERED GLASS • FLOAT GLASS  
MIRRORS • LOW-E GLASS  
SUNGUARD

PATTERNED GLASS • HORTICULTURAL GLASS  
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**Silver 43 and Silver 50 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 very low solar factor combined with a good light transmission.**



## Characteristics

- Very low emissivity ( $e = 0.03$ ) allows to reach U-values down to  $1.0 \text{ W/m}^2\cdot\text{K}$  for an argon filled 6/16/6 IG-unit
- Very low g-value (27% for SILVER 43)
- High silver coloured light reflectance
- Good light transmission
- Very good colour rendering
- Uncritical for thermal breakage due to very low energy absorption
- Perfect colour matching spandrel available

## 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	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

	SILVER 43	SILVER 50
■ Light transmittance	42 %	48 %
■ Light reflectance outside	46 %	39 %
■ Direct energy transmittance	23 %	28 %
■ Energy reflectance	51 %	47 %
■ Energy absorptance	26 %	25 %
■ Solar factor (g-value)	26 %	31 %
■ Shading coefficient total	0.30	0.36
■ Shading coefficient < 2500 nm	0.26	0.32
■ Shading coefficient > 2500 nm	0.04	0.04
■ U-value, air filled	$1.3 \text{ W/m}^2\cdot\text{K}$	$1.4 \text{ W/m}^2\cdot\text{K}$
■ U-value, argon filled	$1.0 \text{ W/m}^2\cdot\text{K}$	$1.1 \text{ W/m}^2\cdot\text{K}$
■ Colour rendering index	96	96
■ Spandrel	CS-11	CS-14

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.