

# NeutralPlus 54

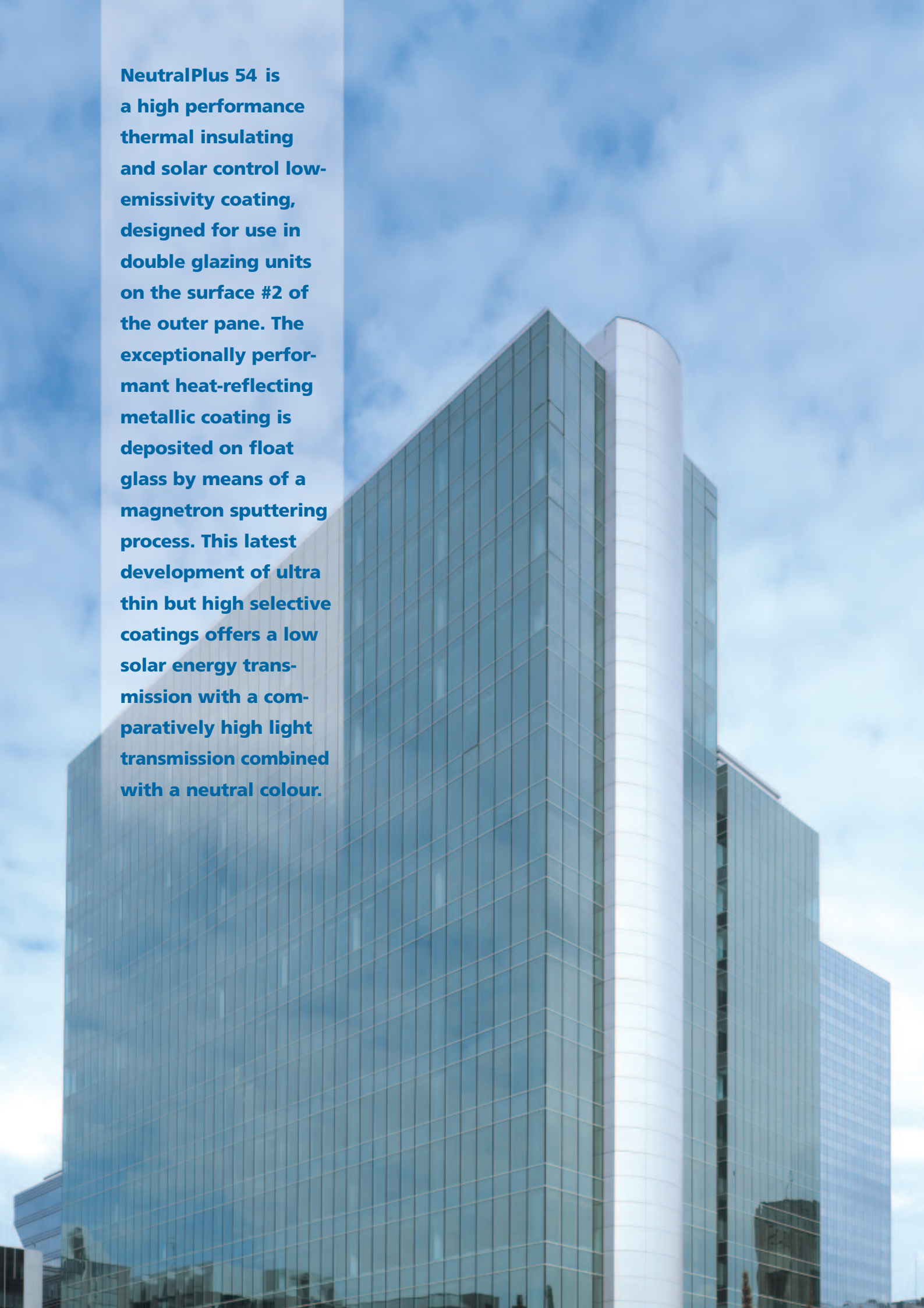
Combined solar control  
and thermal insulation glass

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



**NeutralPlus 54 is a high performance thermal insulating and solar control low-emissivity coating, designed for use in double glazing units on the surface #2 of the outer pane. The exceptionally performant heat-reflecting metallic coating is deposited on float glass by means of a magnetron sputtering process. This latest development of ultra thin but high selective coatings offers a low solar energy transmission with a comparatively high light transmission combined with a neutral colour.**





## Characteristics

- Excellent and non-beatable selectivity number of 2!
- Very low emissivity allows to reach U-values of 1.0 W/m<sup>2</sup>.K for an argon filled 6/16/6 IG-unit
- Very low g-value (27%)
- Comparatively high light transmission of 54% but limited to a level such as undesirable glare is reduced
- Important heating / cooling savings and less environmental pollution
- Very high thermal comfort – no “cold wall” effect inside the room
- Colour neutral appearance
- Uncritical for thermal breakage due to low energy absorption
- Good colour harmonizing spandrel available
- Offers insulating glass producers an exceptional opportunity to improve their range with a winning product

## Applications

All double glazed 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	6, 8, 10	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 NP 54 on Pos. #2

	<b>NeutralPlus 54</b>
■ Light transmittance . . . . .	54 %
■ Light reflectance outside . . . . .	17 %
■ Direct energy transmittance . . . . .	25 %
■ Energy reflectance . . . . .	38 %
■ Energy absorptance . . . . .	37 %
■ Solar factor (g-value) . . . . .	27 %
■ Shading coefficient total . . . . .	0.31
■ Shading coefficient < 2500 nm . . . . .	0.29
■ Shading coefficient > 2500 nm . . . . .	0.02
■ U-value air filled . . . . .	1.3 W/m <sup>2</sup> .K
■ U-value argon filled . . . . .	1.0 W/m <sup>2</sup> .K
■ Colour rendering index . . . . .	90
■ Selectivity number . . . . .	2.0
■ Spandrel . . . . .	RDS-52 NP

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.