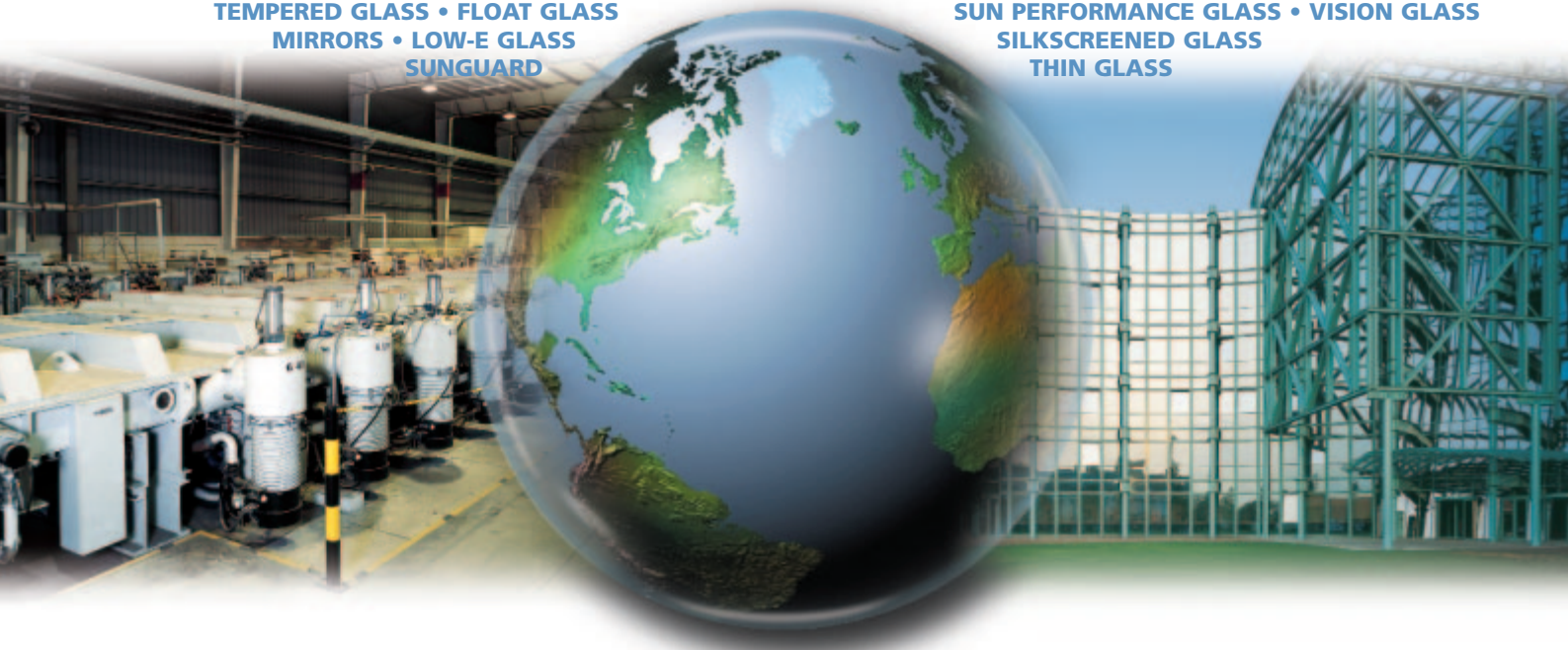


Green 41, Green 52

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



GUARDIAN

A Company of Vision

Green 41 and Green 52 are high performance selective coatings on green body tinted glass 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 low friendly green outside reflectance.





Characteristics

- Very low solar factor
- Low friendly green outside reflectance
- U-values down to 1.1 W/m².K for an argon filled 6/16/6 IG-unit
- Very good colour harmonizing 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

	GREEN 41	GREEN 52
■ Light transmittance	41 %	52 %
■ Light reflectance outside	47 %	14 %
■ Direct energy transmittance	19 %	26 %
■ Energy reflectance	18 %	12 %
■ Energy absorptance	63 %	62 %
■ Solar factor (g-value)	23 %	31 %
■ Shading coefficient total	0.26	0.36
■ Shading coefficient < 2500 nm	0.22	0.30
■ Shading coefficient > 2500 nm	0.04	0.06
■ U-value, air filled	1.4 W/m ² .K	1.5 W/m ² .K
■ U-value, argon filled	1.1 W/m ² .K	1.2 W/m ² .K
■ Colour rendering index	90	90
■ Spandrel	GREEN 10	GREEN 13

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.