

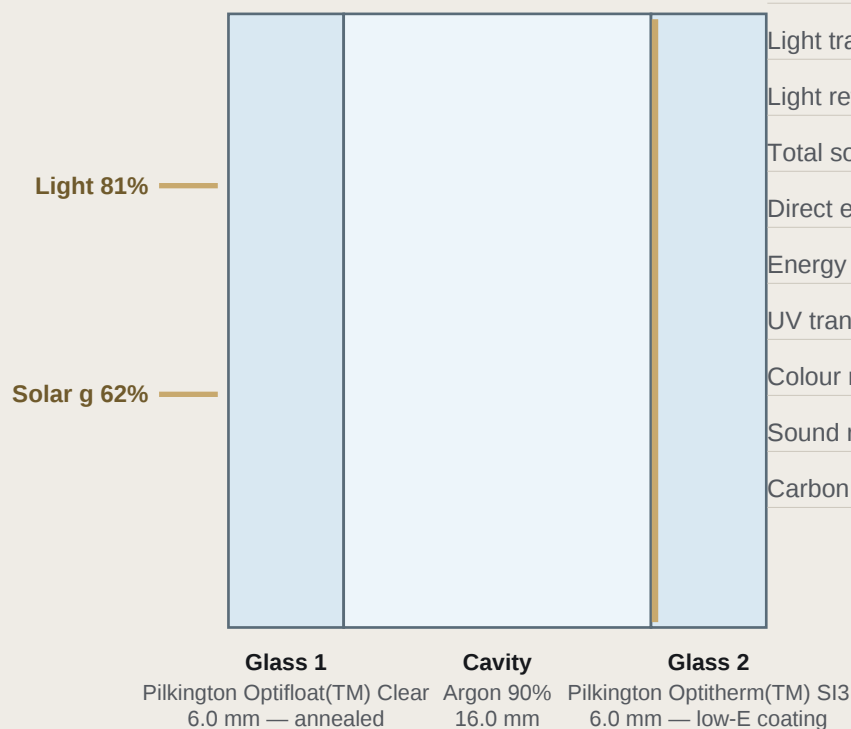
GLAZING TECHNICAL DATA

High-performance double glazing unit — reference build-up 6-16Ar-6

Values according to EN 410 and EN 673/12898 — Pilkington Spectrum print, 24/08/2026

Unit build-up — 28 mm / 30.0 kg/m²

Performance



Thermal transmittance Ug	1.1 W/m²K
Light transmittance LT	81 %
Light reflectance (out / in)	12 % / 12 %
Total solar transmittance g	62 % (SC total 0.71)
Direct energy transmittance ET	55 %
Energy reflectance / absorptance	25 % / 20 %
UV transmittance	40 %
Colour rendering Ra	97
Sound reduction Rw (C; Ctr)	31 (-1; -4) dB
Carbon footprint (GWP, A1-A3)	46 kg CO2e/m²

Structural verification — sliding system ASS 50 (per unit)

Profiles: aluminium EN AW-6060 T66, E = 7 000 kN/cm², calculated to DIN EN 1990/1999.

Interlock section properties: Ix 68.98 cm⁴ · Iy 108.67 cm⁴ · Wx 7.47 cm³ · Wy 9.31 cm³ (reinforced: Ix 98.98 · Iy 122.02).

Deflection limits to DIN EN 13830: L/200 (max. 15 mm) in X, L/500 (max. 3 mm) in Y — every unit is verified individually.