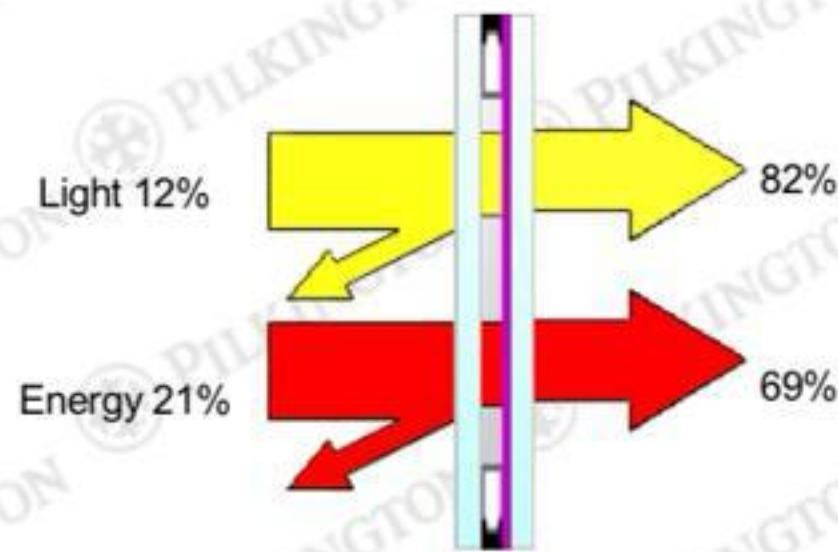




DESCRIPTION

Position	Product	Process	Thickness (nominal) mm	Weight kg/m ²
Pilkington Insulight™ Therm				
Glass 1	Pilkington Optifloat™ Clear	Annealed	4.0	
Cavity 1	Argon (90%)		4.0	
Glass 2	Pilkington K Glass™ S	Annealed	4.0	
Product Code	4-4Ar-KS4		12.0	20.00

PERFORMANCE

Light			Energy		
Transmittance	LT	82%	Direct Transmittance	ET	62%
	UV %	38%	Reflectance	ER	21%
Reflectance Out	LR out	12%	Absorptance	EA	17%
Reflectance In	LR in	13%	Total Transmittance	g	69%
Performance Code			Shading Coefficient Total		0.79
U _g -value/Light/Energy		2.6 / 82 / 69	Shading Coefficient Shortwave		0.71
Ra		98	Sound Reduction	R _w (C;C _{tr}) dB	NPD
The values of some of characteristics are displayed as NPD. This stands for No Performance Determined.			Thermal Transmittance	W/m ² K	2.6

Carbon Footprint		
GWP	kgCO ₂ e/m ²	31
Global Warming Potential (GWP) values derived from the Life Cycle Assessment (LCA) that underpins the third-party verified product Environmental Product Declarations (EPDs). They are declared for modules A1 to A3; the scope of the EPDs is cradle-to-grave and module D in accordance with the requirements of Product Category Rules EN 15804:2012+A2:2019/AC:2021 and EN17074:2019. As noted in the EPD, indicators for modules A1 to A3 should not be used without considering indicators for module C.		

Additional Values			
Bullet Resistance	NPD	Burglar Resistance	NPD+NPD
Explosion Resistance	NPD	External Fire Performance	NPD
Load Resistance (MPa)	45+45	Pendulum Body Impact Resistance	NPD
Reaction to Fire	NPD	Resistance to Fire	NPD
Resistance to Temperature Differentials (K)	40+40		

Pilkington Spectrum allows you to combine a wide range of products available from Pilkington and determine their key properties such as light transmittance, g value and U value. The program includes restrictions that prevent some combinations being selected that may be considered unwise or impractical. Even with these restrictions, it is still possible to create product combinations that may not be available from your supplier. Please check with your supplier that your chosen product combination is possible, available in the sizes required and in a timescale appropriate to your project. Furthermore, it is essential that you check that your product combination is appropriate for satisfying local, regional, national and other project-specific requirements.

Calculations are made according to EN standards 410 and 673/12898