



Description

Position	Product	Process	Thickness (nominal) mm	Weight kg/m ²
Glass 1	Pilkington Optifloat Clear	Toughened	6	15
Cavity 1	Argon (90%)		12	
Glass 2	Pilkington Optitherm S3	Toughened	6	15
Product Code	6T-12Ar-S(3)6T		24	30

Performance

Light			
Transmittance	LT	77%	Sound Reduction R_w dB (C;C _{tr}) 31 (-1; -4)
	UV %	24%	
Reflectance Out	LR out	12%	Thermal Transmittance W/m^2K 1.3
Reflectance In	LR in	13%	
Energy			
Direct Transmittance	ET	49%	Ra 96
Reflectance	ER	23%	Performance Code
Absorptance	EA	28%	
Total Transmittance	g	59%	U-value/Light/Energy 1.3 / 77 / 59
Shading Coefficient Total		0.67	The values of some of characteristics are displayed as NPD. This stands for No Performance Determined.
Shading Coefficient Shortwave		0.56	

Additional Values	
Bullet Resistance	NPD
Burglar Resistance	NPD+NPD
Explosion Resistance	NPD
External Fire Performance	NPD
Load Resistance (mm)	6+6
Pendulum Body Impact Resistance	1(C)2+1(C)2
Reaction to Fire	NPD
Resistance to Fire	NPD
Temperature Change Differential Resistance (K)	200+200

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.