

Revolutionary

Introducing our latest product a 9mm Overall thickness

3mm Opti White/3mm Spacer/3mm Opti White

The warm edge spacer is available in Black, White or Premium Grey

Carbon Emissions

Slender Fit is aware that the increase of carbon dioxide emissions and their contribution to the "greenhouse effect" and global environment is of major concern. Increasing emphasis and effort is being placed on the reduction of these harmful emissions. The energy saved when Slender Fit Double Glazed Units are installed in the average house with single glazed sash windows will result in a reduction of carbon dioxide (CO₂) emissions of approximately ¼ tonne per season (October - March) (Energy Technology Support Group) (Emissions, Domestic Housing 27% = 63 million tonnes).

Are We Green?

Household energy production accounts for a quarter of fossil fuel emissions in the UK. One major action to reduce the demand for energy is to control the loss of heat by insulation in windows.

Levels of insulation are measured in U values. The lower the U value, the better the insulation level. In 2001 the government introduced regulation document L, which states that; all new windows must have a U value of less than 2.0.

To comply with this regulation architects, builders, joiners and householders have had to settle for large double glazed units inherited from the PVC-U replacement industry, typically 18-24mm wide. To house these units we have had to build oversized sashes and boxes. Which have thick, beaded or planted glazing bars, clumpy stiles and rails. They are more expensive to make and offer us little chance of retaining historical and characterful proportions to our buildings. Just not right.

Using low emissivity glass, an energy efficient warm edge spacer and filled with a gas ideal for compression, Slender Fit Double glazed units offer something for everyone in the sash window industry. To the architect and householder it offers a real chance of retaining Georgian or Victorian proportions, while at the same time complying with building regulations and keeping us warm as toast.

The low profile perimeter seal (4mm) and the width of the unit (11 mm) it can be puttied into conventional sized or existing wooden sashes, leaving no sign of the double glazing . The outer pane can also be heat treated to reproduce inconsistencies in the glass. This gives the characteristic Crown sheet look evident in many old buildings today.

To the builder and joiner it offers savings in timber costs, installation, balancing and making good. The dark years are over; we now have a product we can recommend wholeheartedly.

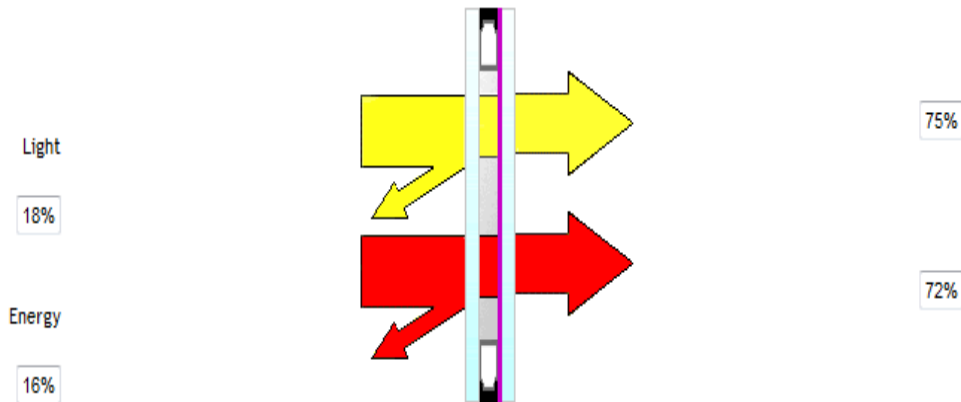
- It keeps you warm
- It retains character
- it complies with the law and it helps us protect the environment

Advantages

- They comply with Building Regulations Document L England for improved thermal insulation.
- The 4mm perimeter seal of Slender Fit Double Glazed Units enables them to be glazed into 7mm deep glazing back rebates found in most sash windows.
- The smaller cavities between the glass reduce the required glazing width rebates and enables slimmer sections to be used.
- They are the only double glazed units that can be glazed into most standard glazing bars of a sash window.
- They can be glazed into most existing single glazing glass rebates.

Glass 1 Cavity 1 Gas 1

 Glass 2



Product Code	U Value	UV %	Light %			Energy %			Solar Factor	Shading Coeff.	
			LT	LR out	LR in	ET	ER	EA		T SC	S SC
4-6Kr-K4	W/m ² K	T _{uv}							g		
	1.8	34	75	18	16	60	16	24	0.72	0.82	0.69
Performance Code		Sound Reduction		Ra	Thickness		Weight		Date		
U-value/Light/Energy		R _w dB (C;C _{tr})		99	mm		kg/m ²		24/03/2010		
1.8 / 75 / 72		NPD			14		20.00				

Pilkington Optiwhite Glass

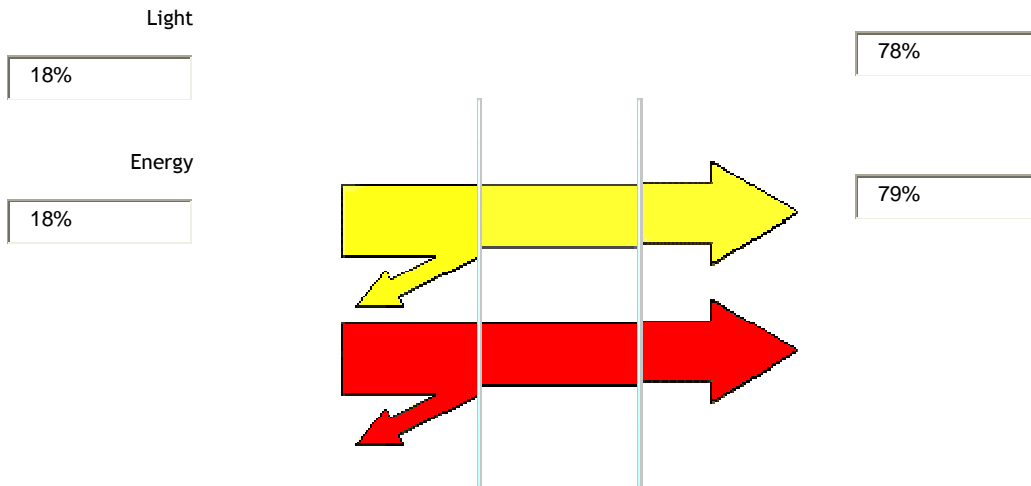
When true colour is of paramount importance, and wants to achieve maximum light transmission, Pilkington Optiwhite is the clear choice.

The specially developed float glass displays none of the slight green tints, due to the low iron content and is noticeably clearer than the standard clear float glass. Optiwhite glass offers enhanced clarity this makes it suitable for a wide range of applications.

Pilkington Optiwhite has superior performance when compared with conventional clear float products, this includes higher light transmission and greater solar heat transmission. Can be laminated or toughened and comes in a wide range of thicknesses.

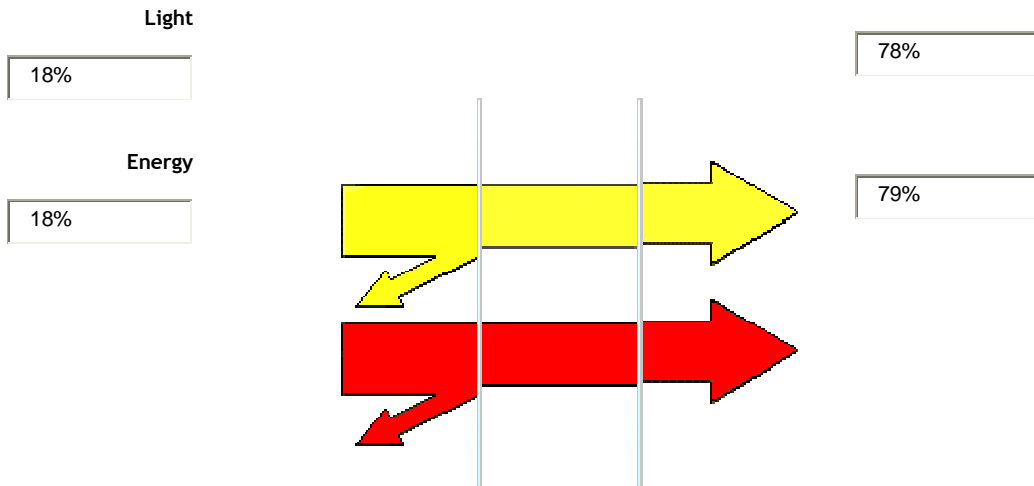
Optiwhite™ Monolithic Glass Performance Data

Nominal Glass Thickness		Visible Light		Total Solar Energy		UV	U-Value		European U-Value (K-Value)	Solar Heat Gain Coefficient	Shading Coefficient
		Transmittance %	Reflectance %	Transmittance %	Reflectance %	Transmittance %	Summer	Winter			
in	mm										
1/8	3	92	8	90	8	87	1.0	1.1	5.8	0.91	1.05
1/4	6	91	8	89	8	83	1.0	1.1	5.7	0.90	1.04
3/8	10	91	8	87	7	79	1.0	1.1	5.6	0.88	1.03
1/2	12	91	8	86	7	77	1.0	1.0	5.5	0.87	1.01



Product Code	U Value	UV %	Light %			Energy %			Solar Factor	Shading Coeff.	
	W/m ² K	T _{uv}	LT	LR out	LR in	ET	ER	EA	g	T SC	S SC
4w-10Kr-K4w	1.4	53	78	18	17	71	18	11	0.79	0.90	0.82
Performance Code		Sound Reduction			Ra	Thickness		Weight		Date	
U-value/Light/Energy		R _w dB (C;C _{tr})				mm		kg/m ²			
1.4 / 78 / 79		NPD				18		20.00			

Description	Process	Thickness mm
Glass 1 Pilkington Optiwhite	Annealed	4
Cavity Krypton (90%)		10
Glass 2 Pilkington K Glass OW	Annealed	4



Product Code	U Value	UV %	Light %			Energy %			Solar Factor	Shading Coeff.	
	W/m ² K	T _{uv}	LT	LR out	LR in	ET	ER	EA	g	T SC	S SC
4w-8Kr-K4w	1.6	53	78	18	17	71	18	11	0.79	0.90	0.82
Performance Code		Sound Reduction			Ra	Thickness		Weight		Date	
U-value/Light/Energy		R _w dB (C;C _v)				mm		kg/m ²			
1.6 / 78 / 79		NPD				16		20.00			

Description		Process	Thickness mm
Glass 1	Pilkington Optiwhite	Annealed	4
Cavity	Krypton (90%)		8
Glass 2	Pilkington K Glass OW	Annealed	4