



Call our team today

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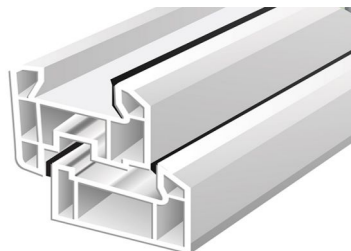
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## PVCu Windows and Doors

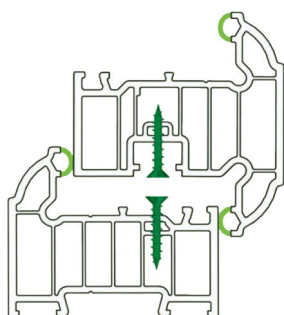


SGM are the creators of **eco energy plus** – an energy efficient, high performing, environmentally friendly window.

The **eco energy plus** 6 chamber system provides better insulation, strength and acoustic performance.



Industry standard 3 chamber system



Profile construction made from 100% lead free PVCu.



Bubble gaskets give an enhanced weatherseal - less chance of warmth escaping and no noisy drafts



Hinge screws located through two walls of thick PVCu for added security and strength, unlike other systems.

### 100% lead-free PVCu – helping the environment

The dangers of lead are well known – however the **eco energy plus** window and door system is 100% lead-free – better for the environment, and better for you, unlike many other systems in the market place.

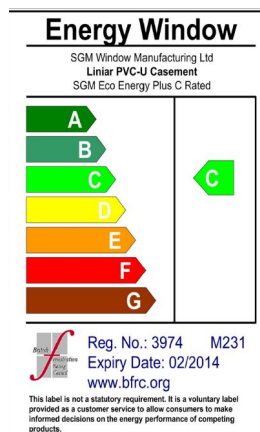
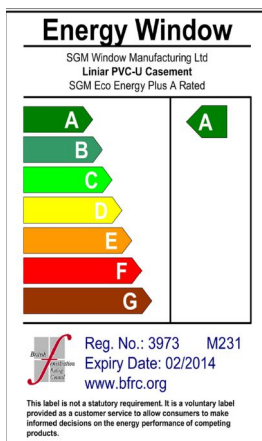
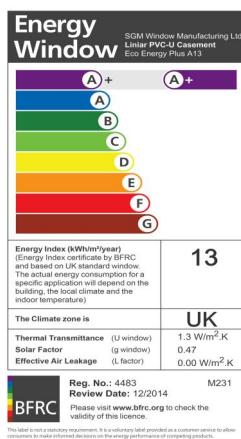
Further proof of lead-free being the correct choice can be found in two regularly purchased retail products:

**Petrol** – leaded 4 star petrol was withdrawn from sale in 2000 because of concerns over air and soil pollution and the accumulative neurotoxicity of lead

**Paint** – in 1992, European Union legislation was implemented within the UK by the Environmental Protection, and lead based paint was banned from sale to the general public (apart from specialist uses eg. Historic buildings, arts)

**Energy efficient** – the **eco energy plus** window system uses it's multiple chambers to lock in the heat, and high performing bubble gasket seals to ensure there are no gaps for heat to escape – it is arguably the most energy efficient window available.

The window is BFRC "A" energy rated as standard, but even higher A+ ratings are achievable, up to an incredible A+ 31.



**Triple glazing** – the **eco energy plus** window and door system has been purpose designed to accommodate triple glazing.

There is a flatter glazing bead specifically produced to enable a 36mm sealed unit to be fitted, and it is this wider sealed unit construction that results in an even better energy efficiency – **the standard triple glazed specification has a U value of just 1.0 W/m2**

For larger opening sashes, a heavy duty hinge can be used, ensuring the long term operational performance of the window is not affected.

Further benefits of triple glazing are improved sound insulation, and added security.



ecoenergy<sup>PLUS</sup>

Better energy efficiency



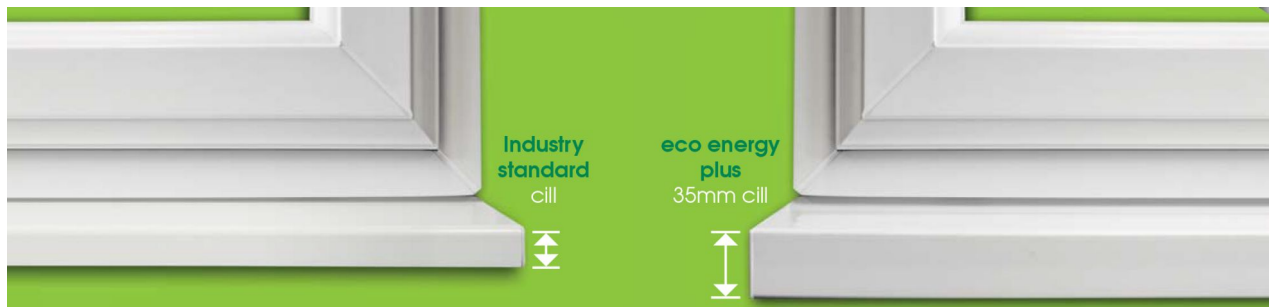
## Options and fine detail

### Handles - Colours and Styles

White, black, polished chrome, polished gold, polished bronze and black "monkey tail".  
Satin silver is also available.



The **eco energy plus** external window cill is 35mm deep at the front, looking more like a traditional thick timber cill. This is nearly twice the thickness of an industry standard PVCu.



The **eco energy plus** bay assembly is much slimmer than other conventional bay joints. This provides you with more glass area instead of 'bulk' of PVCu.



Cross section of bay assembly



Inner  
Internal trim only a maximum of 40mm



Outer



**Sash Horn** Optional 'run thru sash horns' for top hung sashes only. An excellent replica of a timber sash horn.

**Security** – please click the button below to see the eco energy plus locking system and security guarantee package

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## About SGM Window Manufacturing Limited

Specialists in the manufacture and supply of windows, doors and conservatories.