



## TRIPLE GLAZED OPTIONS

For enhanced energy efficiency

Achieves A+ rating requirements



Secured by Design



Official Police Security Initiative



# IMPROVED ENERGY EFFICIENCY WITH TRIPLE GLAZED WINDOWS

Letting in light used to be the sole purpose of glazing but now, triple glazing can contribute to the thermal performance of your home and help save you money on your heating bills..

Goldseal Conservatories Ltd work with The VEKA UK Group to offer some of the most highly regarded uPVC products on the market. The VEKA UK Group have pioneered the design and manufacture of window and door systems for over 30 years. With a continual investment in the profile systems it is now one of the most technically advanced on the market. A 10 year guarantee on all products, gives the added confidence that once fitted VEKA products will last for many years. Just a few of the many reasons VEKA is now one of the most specified uPVC systems in the world.

## Why choose triple glazed options?

### Much more energy efficient

Triple glazing is well established in many parts of Europe and is becoming increasingly popular in the UK. Windows are one of the most exposed parts of a house. According to the Energy Saving Trust, a staggering 26% of all domestic heat loss escapes through the windows. Installing energy efficient windows is essential to help keep the cost of energy bills down.

### Improved sound insulation

The additional pane of glass also offers a much improved sound insulation over standard double glazing. This can be improved further by using different thicknesses of glass in the sealed unit, but this will greatly increase the unit's weight causing restrictions on the size of the opening window.

### Much more secure

Incorporating a toughened pane of glass inside the sealed unit improves the overall security of any double glazed window. The middle pane of toughened glass also combats stress cracks that can occur due to heat build up on standard float glass if used inside the sealed unit.

For the best profile... anywhere



## Triple glazing, the facts...

Triple glazing is the key to reducing heat loss through your windows and will help to reduce your fuel bills.

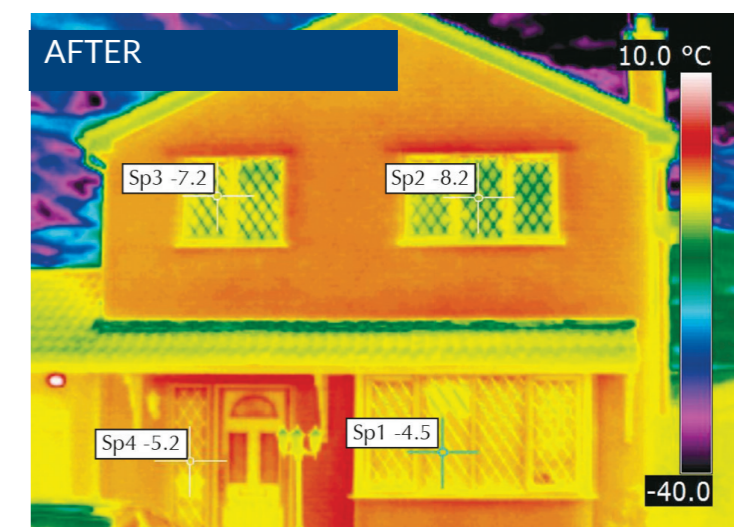
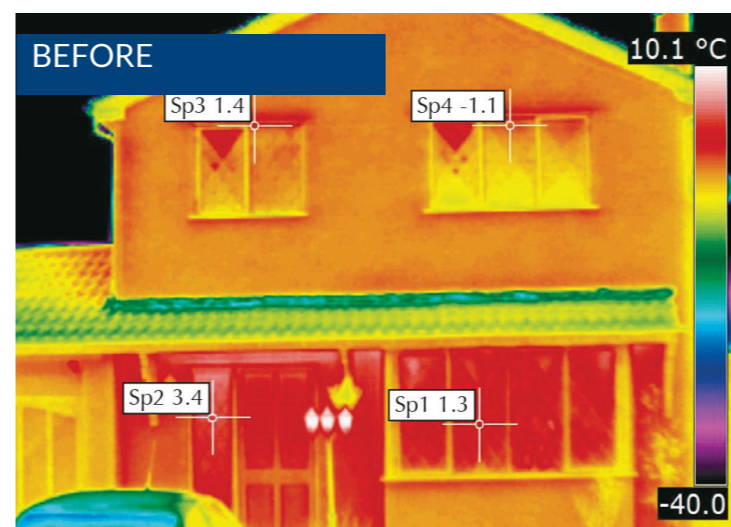
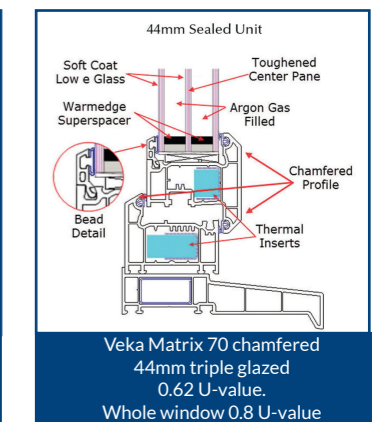
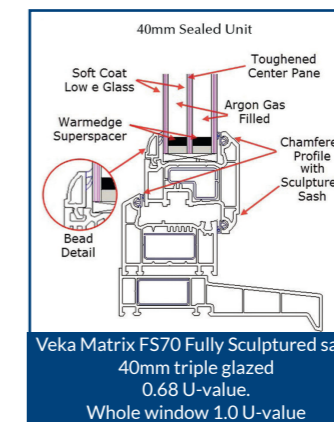
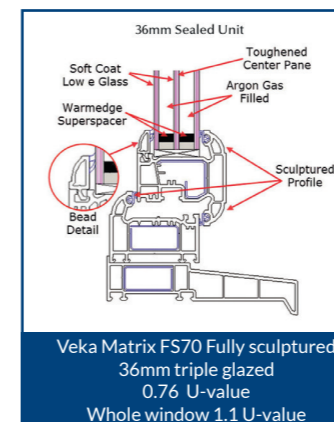
- Triple glazed units are up to 40% more thermally efficient than double glazed units.
- A window fitted with triple glazed units exceeds the current "A" rated window energy rating.
- The internal surface temperature of a single glazed window is around 1°C.
- The internal surface temperature of a double glazed window (fitted 10 years ago) is generally around 11°C.
- The internal surface temperature of a triple glazed window pane is 18°C with a u-value of 0.68.
- Triple glazed units will not overheat your home. The level of solar gain is actually less than double glazed units due to the extra pane of glass and additional cavity.

We can offer triple glazing options with any of our VEKA systems including Matrix 70, Matrix FS70 and Infinity.

### Thermal images explanation

Pictured left you can see the external glass temperature of the hall at 3.4°C and the living room glass at 1.3°C, this shows that heat is being lost.

Pictured to the right the external glass temperature of the hall at -5.2°C and the living room glass at -4.5°C, this clearly demonstrates no heat is being lost and all the heat is reflected back into the home to help reduce the cost of heating bills.



# WHY CHOOSE TRIPLE GLAZING?



**For enhanced energy efficiency...**  
reducing your fuel bills

**Improved sound insulation...**  
with the additional pane of glass

**Enhanced security...**  
with the toughened middle pane of glass

**Better for the environment...**  
a much greener choice for your home

**Supplied and fitted...**  
by your local, reputable installer



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All details and information contained within this publication were correct at the time of production.

Goldseal Conservatories Ltd reserve the right to amend without prior notice.