



Energy Efficient Glazing

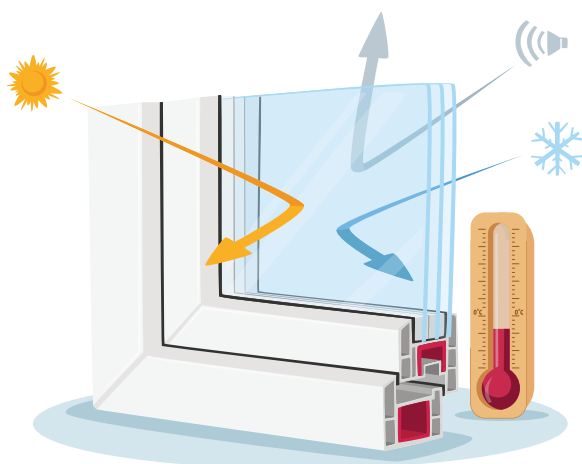
Energy efficient double glazing

Homes can lose 10-20% of their heat through windows and external doors. Installing energy efficient glazing and high thermal performance doors will reduce heat loss, keep your home warmer and cut heating bills. Glazing can also insulate against external noise and sometimes decrease condensation and can naturally look visually appealing and once installed, improve the appearance of your home too.

Energy bill reductions for windows

How much you can save on heating as a result of fitting energy efficient glazing will depend on many factors including the overall energy efficiency of your property, how it's heated, if it's exposed to harsh weather, and the number and size of windows being replaced.

Cross section of a energy efficient double glazed window



Moving from single to double glazing will save you on average: £65-£80 for a semi-detached home, £50-£60 for a mid-terrace home and £30-£35 for a mid-floor flat.

The typical lifetime of double-glazing is around 20 years, however this can vary from 10-35 years based on quality of materials, the installation itself and where the windows are situated.

Choosing energy efficient windows

There are many factors to consider when choosing replacement energy efficient windows which will include:

- 1) The Window Energy Rating that is achievable within a given budget. This includes the type of glass and the window frame material used. Material sources and disposal for the glazing unit may also be a consideration, for example some uPVC windows have 80% recycled content for their core material.
- 2) What windows will be suitable for the style of property? Do they need to be timber-frame to fit with other windows or the neighbourhood? This is particularly important if your home is a listed building or you live in a conservation area, but these windows will need maintenance.

3) Which different types of windows are suitable for your home. Common styles include casement windows where the windows are attached to the frame via hinges and open to the inside or outside. Sash windows which open up or down and are a good fit for period properties, and tilt and turn which as the name suggests, can tilt open and sometimes also allow for partial locking for consistent ventilation.

You will be guided by your local authority as to which window replacement you might be eligible for.

When new windows are replaced, it is vital to make sure that your home remains well ventilated, as the replacement windows will be more airtight than the originals. New double glazing has trickle ventilation catches to allow fresh air into your home. The vents also allow moisture to escape which helps to prevent a build-up of condensation and mould.