

Noise Reduction

Noise from traffic, aircraft and the general noise from inner city areas and main roads can be a real disruption to the quality of your living or working environment. Fitting secondary glazing is a cost effective way to significantly reduce external noise.

4mm glass is very effective at providing noise insulation, but by specifying high specification glass (6mm+) such as Laminated glass or Acoustic glass you can further improve on the amount of noise reduction.

We can also supply our Heavy Duty system with double glazed units for further acoustic performance.

Third octave band Centre Frequency (Hz)	Sound Insulation (dB) Glass Thickness (mm)			
	4	6	6.4 Lam	6.8 Acoustic
125	20	18	20	21
250	22	23	24	26
500	25	30	31	31
1000	31	35	35	35
2000	34	27	33	37
4000	29	32	38	38
Rw	30	31	33	35
Rw + C	29	29	32	34
Rw + Ctr	27	28	29	32

Thermal Insulation

Our secondary glazing can reduce heat loss in your windows by up to 50%. You can specify ordinary Float or Toughened glass, or for even better thermal performance you can specify a thermal glass with coating. By adding the extra pane of glass in addition to your existing windows heat loss is dramatically reduced. For extreme circumstances we have a Heavy Duty system that can take a double glazed unit for the ultimate in thermal insulation and noise reduction.

Period & Listed Buildings

With many listed or period builds where you are unable to install new windows, our secondary glazing offers the perfect discrete solution for improved thermal or acoustics.

In most cases permission from your local heritage authority will not be needed to install secondary glazing and in most cases is the preferred solution to preserve a listed building or to preserve the character of a special area.*

* Please check as every area is different.