

# the sash window man



## Factsheet - What is Acoustic Glass?

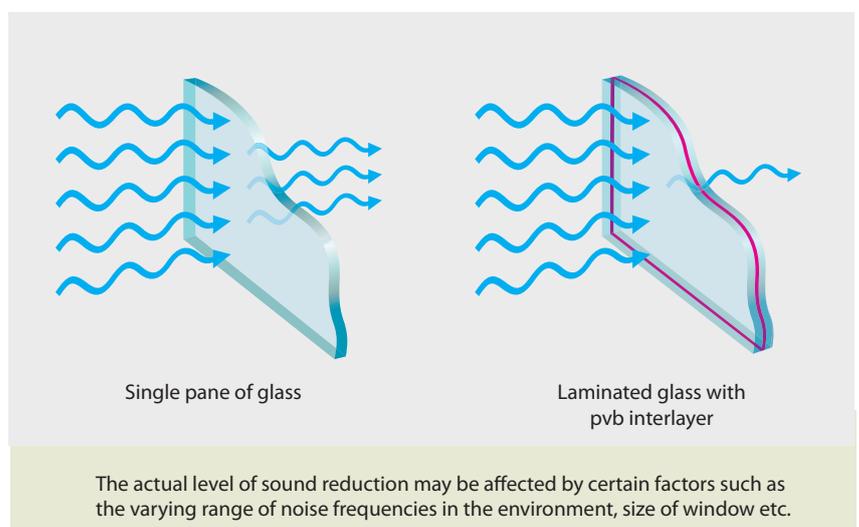
Acoustic glass consists of two panes of glass which have been laminated together using PVB (Polyvinyl Butyral). PVB is an acoustic membrane which bonds the two panes of glass together to give the appearance of a single pane of glass.



"Acoustic glass helps eliminate annoying high-frequency sounds"

## How does it work?

The PVB membrane reduces noise by absorbing the sound energy and preventing the sound vibrations from travelling through the glass. Upgrading your windows with acoustic glass will help to reduce the constant interruption of high-frequency sounds, like noisy traffic, seagull screeching and people.





"A reduction of 10dB has the effect of halving the loudness of the sound"

## Contact us

Call us today for a chat about your sash windows and arrange for a free, no obligation survey and quote.

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## Benefits of Acoustic Glass

The loudness of a sound is generally measured in Decibels (dB). For humans a comfortable noise level is around 35dB during the day and 30 dB at night, although the human ear can detect sounds between 0-130dB. It is generally agreed that a reduction of 5dB will result in a clearly noticeable difference and a decrease of 10dB will have the effect of halving the perceived intensity of the sound.

## Benefits of Acoustic Glass

- Reduces Noise in single glazed windows by up to 5dB (25%)
- Reduces Noise in double glazed windows by up to 10dB (50%)
- Prevents reduced sound insulation caused by the Coincidence Dip
- Increases Safety and Security, as glass will not smash easily
- Absorbs around 99% harmful UV rays
- Reduces Heat Loss
- Improves Energy Efficiency

## Did you know?

Acoustic glass is available in thicknesses between 6.8-12.8mm. Each additional mm in thickness results in a further sound reduction of around 1dB. However, due the additional cost and weight this would place on the window, it is generally considered that thicknesses above 6.8mm are not worth the extra expense.