

Insulated Glass

Glass is a good insulator but it would need to be very thick as a single pane in a window to have much effect.



So rather than have thick glass in your windows it is better to have two panes of glass with an air or gas space between them.

The bigger the air space, the less heat is lost, up to an optimum of 16 - 20mm.

All well designed and well fitted double glazed units significantly reduce the intrusion of unwanted noise.

By specifying glasses whose thickness differ by at least 30%, resonance effects are suppressed and the acoustic benefits are, therefore, maximized.

What are the benefits of having Double Glazed Units?

- Heat loss through single glazing will be at least halved with double glazed units
- Draughts through windows caused by sinking cooled air will be less with double glazed units
- Rooms will be warmer with double glazed units
- Outside noise can be reduced with double glazed units
- Condensation can be reduced with double glazed units
- Increases the saleability of the property with double glazed units

GLAZING OPTIONS

Ordinary glass – called Annealed or Float glass

Safety Glass – This can be toughened, laminated, safety wired glass or annealed glass with safety film applied to it. Safety glazing is mandatory for new installations for doors, windows and partitions within 800mm of the floor. Glazing is marked in the corner with BS6206. All our toughened safety glass meets safety standards EN12150.

Security Glass – Laminated glass or Annealed glass with film applied to it. When security glass is installed you must ensure there is an emergency escape route in case of fire.

Low Emissive glass or Low E glass – The glass must be used in a double glazed window so that the special reflective coating, which is always placed inside the cavity, is protected from any damage.

Decorative glass – This can be opaque, patterned, stained, sandblasted or etched.