

# Replacement Windows and Doors

## Protecting Your Home Environment, Your Pocket, and the Earth's Resources

**M**any people associate replacement windows and doors with saving on their heating bills and durability. But, when you fit double glazed units, you not only choose a high performance product - you select products with valuable environmental, technical and economic credentials.

And although the popularity of replacement windows and door frames speaks for itself, you should also be reassured that they are a safe choice for your home and



the wider environment. The following checklist provides a brief selection of the key facts that demonstrate the solid case for choosing replacement windows and doors - one of the best choices you can make for any environment.

- Nearly a quarter of heat loss from our homes occurs through single glazed windows.
- Installation of standard double glazing can reduce this heat loss by half, resulting in only 12% of the total heat loss from the property escaping through windows.
- Coupled with the use of low emissivity glass and higher performance insulating glass units, this heat loss can be further reduced by around a third, so only 8% of heat loss occurs through windows.
- As a result of this heat conservation, you could be maintaining the same overall room temperature while burning less fuel. Or you could maintain the same heating level at a lower thermostat setting - reducing heating bills.
- The benefits aren't purely financial. Increased comfort levels in a room can increase the feeling of wellbeing and have positive benefits to health, particularly for the elderly.
- Double glazing also reduces noise entering a home by at least 17%, and by up to 37%.
- If all homes in the UK were double glazed the reduction in the heat required to achieve a comfortable temperature level could save up to 10 million tonnes of carbon dioxide from being emitted into the atmosphere each year.

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### Further Reading References

Glass and Glazing Federation  
*'Double Glazing: the Sound Solution'*

Building Research Establishment (BRE)  
Good Practice Guide 227  
*'Selecting Energy Efficient Windows'*

Building Research Establishment (BRE)  
Good Practice Guide 155  
*'Energy Efficient Refurbishment of Existing Housing'*



Glass and Glazing Federation

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