

# The role of double-glass components





## Overview

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How does double glazing work?

The primary mechanism of double glazing is the air gap between the two panes of glass. This is what insulates against heat transfer between the interior of your home and the exterior. Two panes of glass are sealed in a unit and separated by 6-12mm by a spacer bar, and the space in between is filled with argon gas.

What are double glazed units?

To kick things off, let's start by demystifying what double glazed units are. These units, often referred to as double glazing or insulated glass units (IGUs), consist of two glass panes separated by a spacer, typically filled with argon or krypton gas. We'll delve into how these components work together to provide an array of benefits.

What is a double glazed window?

Double glazed windows, also known as insulated glass units (IGUs), consist of two panes of glass separated by a spacer. The spacer creates a gap, usually filled with air or an inert gas like argon, which acts as an insulating barrier. This unique construction significantly improves thermal performance compared to single-pane windows.

What are the benefits of double glazed units?

**Energy Efficiency:** The role of double glazed units in reducing energy consumption and lowering heating and cooling costs. **Noise Reduction:** How the dual panes of glass and gas fillings create a barrier against external noise, providing a quieter indoor environment.



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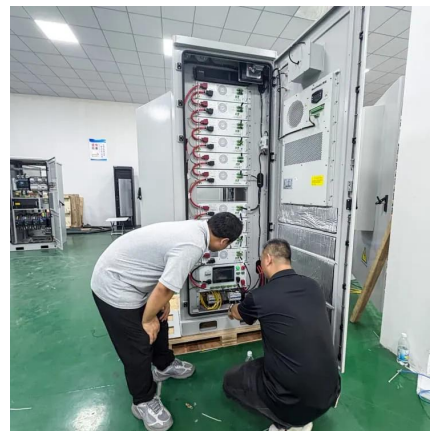


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### What are the key components of double glazing?

The double glazed unit, which slots into a window frame, is made up of a number of components. It includes: A spacer bar - this separates the two panels of glass Desiccant - a silicon material ...



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