

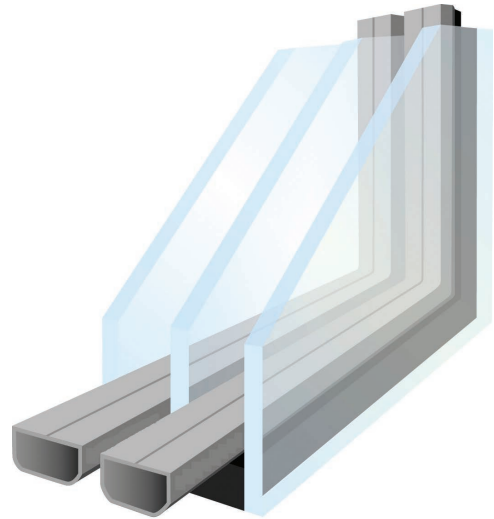
Technical Data - Triple Glazing

Triple glazed windows are even more energy-efficient than modern double glazing. The thermal insulation benefit is clearly visible through the additional pane of glass and gas filled cavity.

THERE ARE THREE REASONS WHY YOU SHOULD CONSIDER INSTALLING TRIPLE GLAZED WINDOWS FROM OLYMPIC GLASS.

1. **Save even more on energy bills** - triple glazed units have an optimised energy balance to maximise cost savings. Triple glazing allows a high level of solar heat gain, capturing free heat energy from outside during the daytime to warm the home. This is combined with exceptional thermal insulation properties with triple glazed units having a very low U-value to keep the heat in during night and day. The outcome is a window that well exceeds the current maximum "A" window energy rating.
2. **Maximum comfort** - the thermal efficiency of triple glazed units ensures that cold spots are eliminated. Triple glazed units can also be optimised to deliver excellent thermal acoustic performance - minimising noise levels from outside.
3. **Enhanced security** - the extra pane of glass ensures that your windows are less easy to break through giving you peace of mind when it comes to security.

Triple glazing is well established in many parts of Europe and is becoming increasingly popular in the UK. Windows are one of the most exposed parts of a house. According to the Energy Saving Trust, a staggering 26% of all domestic heat loss escapes through the windows. Installing energy-efficient windows is essential to help keep the cost of energy bills down.



Light	Triple	Double
Total light transmittance	74%	82%
Light reflectance external	17%	13%
Light reflectance internal	19%	13%
General colour rendering index	96%	98%
Ultra-Violet transmittance	15%	29%
Solar Energy		
Solar direct transmittance	51%	63%
Solar direct absorption	23%	15%
Secondary internal heat transfer factor	11%	8%
Total solar energy transmittance (solar factor)	61%	71%
Total shading coefficient (g/0.87)	0.70	0.81
Thermal Insulation (U-value)		
Thermal conductance with air (W/m ² K)	0.8	1.4
Thermal conductance with 90% argon (W/m ² K)	0.6	1.2
Thermal emissivity of coating	0.05	0.05

Double glazed windows provide a highly energy-efficient solution that can save you money on your energy bills. However, triple glazed units provide the ultimate in energy efficient performance, exceeding the best performing double glazing units. Rising energy prices mean that it has never been so important to save as much as possible on your energy bills. Installing triple glazing will also reduce carbon emissions.

Comparison Chart

4/16/4/16/4 triple glazed Insulating Glass Unit - ClimaGuard A+ Surface 3 & 5, Clear Float Glass Outer Pane.

4/16/4 Insulating Glass Unit - ClimaGuard A+ Surface 3, Clear Float Outer Pane.

The performance values are calculated in accordance with EN410 and EN673, subject to fabrication tolerances.