

QUIET, WARMTH & STYLE





Contents

- 03. Introduction
- 04. Noise reduction
- 06. Thermal insulation
- 08. Enhanced security
- 10. Product ranges
- 12. Product index

Secondary glazing is a fully independent internal window, fitted on the room side of an existing primary window. This provides significant noise reduction, improved thermal performance and enhanced security.



Successful glazing is about so much more than glass. Windows define a building; bringing air and light in, and keeping the outside world at bay.

On heritage and traditional properties, the styling speaks volumes. Yet our modern expectations demand ventilation, sound and energy efficiency, as well as respect for tradition.

Thankfully, *Omega* delivers the ultimate answer, with a portfolio of products that retain original characteristics, whilst taking advantage of design, material and production advances.

Strong, reliable and long-lasting, these are the product attributes that make us leaders in our field. Yet our design ethos is to focus on giving you beauty and practicality; *quiet, warmth, and style.*

50 dB

Well-fitted secondary glazing offers the most effective noise insulation — significantly outperforming double glazing.

From noisy roads to noisy kids, our internal windows can reduce noise levels by up to 80% (50dB).

peace
&
quiet

BRING ON THE NOISE

Well-fitted secondary glazing provides outstanding noise reduction – outperforming double glazing.

Chiltern Dynamics, market leaders in acoustic testing and modelling, found our windows capable of reducing noise levels by over 50dB – enough to quieten the busiest railway line or rumbling road.

Thanks to its unique soundproofing capabilities, secondary glazing can reduce the noise pollution caused by various sources. For many homeowners, traffic noise is their biggest concern. In these instances, secondary glazing with thicker glass and fitted correctly, can make the world of difference.

Our acoustic glass provides maximum sound insulation, which can be further enhanced with a 150-200mm air gap between secondary glazing and your existing primary windows.

This massive impact is not lost on many of our grateful customers, as we help them to better relax, concentrate and improve their quality of life.



warmth

character

65%

Our products eliminate draughts, and can reduce heat loss by up to 65%.

FEEL THE BENEFIT

Warmth is a valuable commodity and creating a second barrier to the elements is an ideal way to reduce wasteful thermal heat loss. In fact, there are few better ways.

The creation of an insulating layer of air is as important to the retention of energy as the fitment and seals. With the right glass, the result can be a reduction in heat loss by as much as 65 percent.

For thermal insulation, low-E glass is often the best choice because the glazing has been designed and engineered to provide:

- the very best single glazing insulation
- maximum energy conservation
- an extremely discreet installation
- an environmentally friendly solution
- an affordable investment with quick returns

The resulting installations can exceed Building Regulations' requirements, offering significant cost savings in the process.

It is also the product of choice for traditional buildings and properties, listed buildings and conservation areas, maintaining their appearance, character, integrity and value.





safe
secure

PEACE OF MIND

Windows are often seen as the weak point in building security. Secondary glazing offers an affordable, discreet, highly effective solution to help counter this problem.

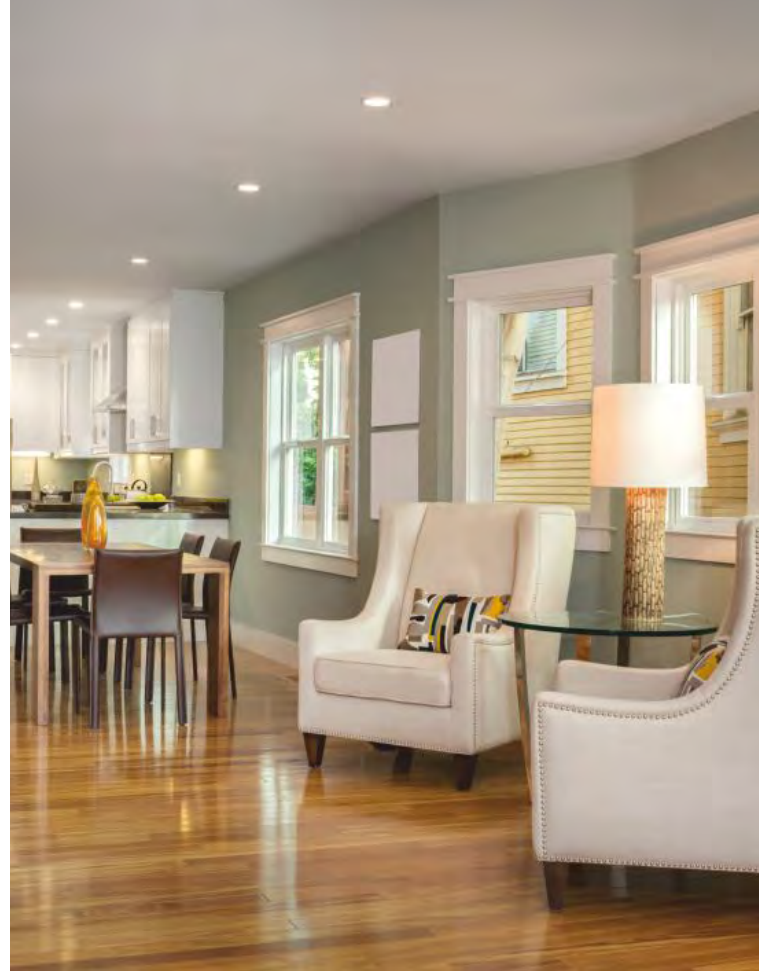
For homes, the benefits are clear. Unlike single windows, secondary glazing is extremely difficult to open from the outside and provides an additional physical barrier against forced entry.

Should attempts be made to attack the secondary glazing, the outer glazing can act as a vibration sensitive alarm, thus offering a warning before an attempt to breach the secondary glazing is made.

Frames are made from tough aluminium and securely fixed to resist forcing. The use of cutting tools are deterred through a sophisticated combination of glass, resin and polycarbonate, whilst the risk from the tampering of locks and catches, or removal of the glass or glazed panels, is also negated.

For commercial properties, vulnerable windows that are easily accessible are prime candidates for secondary glazing. Protection is also recommended against industrial vandalism or theft of artistic or commercial items of value.

Organisations involved in religious, medical or education practices, or those in sensitive areas of research and development, also benefit greatly from the added levels of security.





Horizontal sliding windows are versatile and provide easy access to the outer window. The sashes slide within the frame, so few problems are encountered with blinds, curtains or ceiling bulkheads. Individual windows can be linked with mullions and transoms — allowing large and ribbon windows to be treated.



Our bespoke products support the sympathetic treatment of most window styles. They come in two ranges: Traditional and Heritage.



TRADITIONAL

With its slim, discreet aluminium profile, our *traditional* range offers minimal sight lines and easy access to the primary glazing, making it a **popular choice with homeowners**.

These products have been designed specifically for listed buildings, conservation areas and other heritage buildings.

HERITAGE

Heritage products utilise a slightly thicker, heavy-duty aluminium profile suitable for **large-scale commercial installation**, as well as smaller applications.

As with our *traditional* range, all *heritage* products offer a high level of additional security, easy access to the primary glazing and secure night ventilation position.

1 2 3 4 **5** YEAR WARRANTY

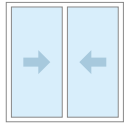
Our secondary glazing is backed up with a five year warranty on frames and glazing and two year warranty on moving parts.



Vertical sliding units are ideal for treating traditional sash windows. Spring balances support the weight of the sash in all positions.

Horizontal Sliding

SS2 or HSS2

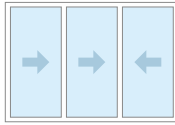


2 panel

Max width or max height

T 2,400mm 2,000mm
H 3,200mm 2,700mm

CO3 or HCO3

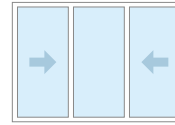


3 panel

Max width or max height

T 3,600mm 2,000mm
H 4,900mm 2,700mm

SS3 or HSS3

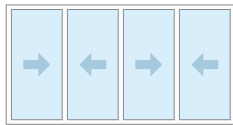


3 panel (fixed centre panel)

Max width or max height

T 3,600mm 2,000mm
H 4,900mm 2,700mm

SS4 or HSS4

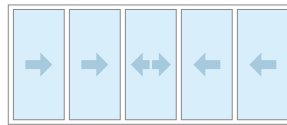


4 panel

Max width or max height

T 4,900mm 2,000mm
H 4,900mm 2,700mm

SS5 or HSS5



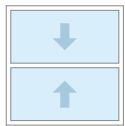
5 panel

Max width or max height

T 4,900mm 2,000mm
H 4,900mm 2,700mm

Vertical Sliding

BVS or HBVS

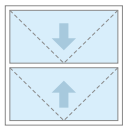


Balanced vertical slider

Max width or max height

T 1,500mm 3,000mm
H 1,500mm 3,000mm

TBVS or HTBVS



Tilt-in balanced vertical slider

Max width or max height

T 1,500mm 3,000mm
H 1,500mm 3,000mm

Insert Panel

INS

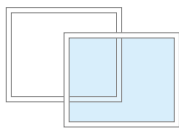


Max width or max height

T 1,200mm 2,000mm

Lift Out

LO

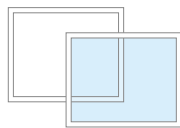


Lift out unit

Max width or max height

T 2,000mm 2,200mm

SLO or HSLO



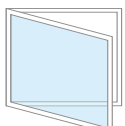
Slimline lift out unit

Max width or max height

T 2,000mm 2,200mm
H 2,000mm 2,200mm

Hinged Casement

HHU

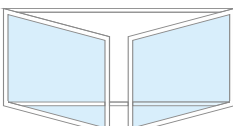


Heritage hinged unit

Max width or max height

H 1,500mm 3,000mm

DHHU



Double heritage hinged unit

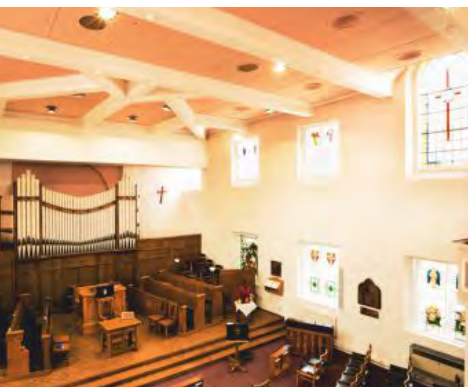
Max width or max height

H 3,000mm 3,000mm

All windows are supplied fully assembled and ready to install. Units comprise of an aluminium outer frame joined to a seasoned hardwood timber surround.

Other available products:

- Curved head window
- Gothic head window
- Trickle vent
- Acoustic trickle vent
- Acoustic tile board
- Shaped corners
- Flyscreen



OMEGA

smart glazing systems

Phone: 01769 574 426

Fax: 01769 574 459

Email: info@omegabuild.com

Website: www.diysecondaryglazingkit.co.uk

Facebook: www.facebook.com/OmegaPlastics

Twitter: www.twitter.com/Omegabuild

Pinterest: pinterest.com/omegabuild