



 **Magnetite**  
*Retrofit double glazing*

*The Solution for Comfortable Living*



## ***The Solution for Comfortable Living***

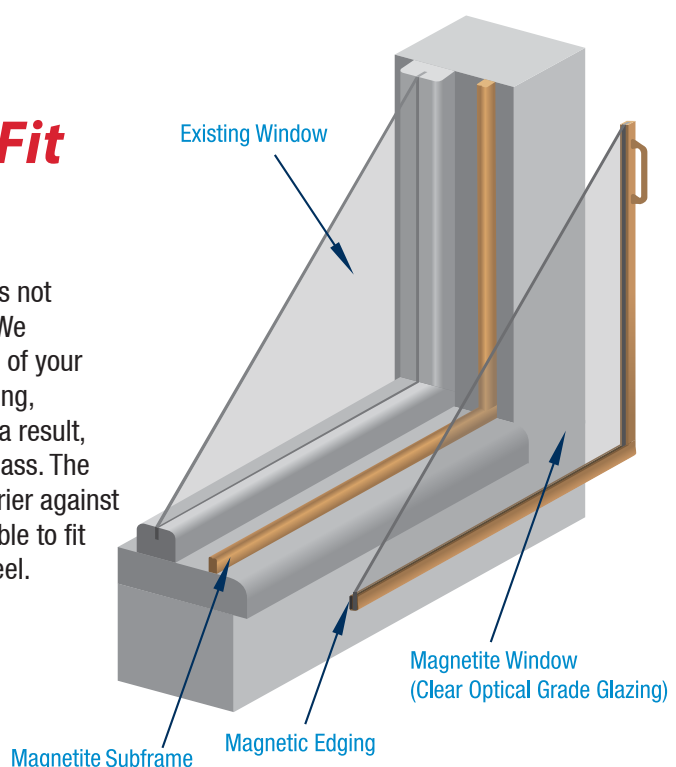
Your home is your sanctuary but there are many factors that can reduce the quality of your living environment and your ability to enjoy a healthy, stress-free lifestyle. Windows are an important design feature of your home; they add natural light, views and a connection with the outside environment. However, windows can also be one of the greatest contributors of heat, cold and noise in a home. Our retrofit double glazing system improves the whole of window performance for your home by insulating the glass, frame and seals. Installing Magnetite is a three-tier solution for comfortable living – it will reduce outside noise, enhance your thermal comfort and increase energy efficiency. Magnetite is tailored to your needs and we customise our solution to solve the specific acoustic and thermal insulation requirements of your home.

Magnetite's retrofit double glazing system is ideal for residential applications such as:

- Heritage and Period Homes
- Strata Units and Apartments
- High Density Urban Areas
- Hot and Cold Climates

## ***How Does Magnetite Fit to Existing Windows?***

Magnetite is a retrofit double glazing system that does not require structural changes or replacement windows. We attach a clear optical grade acrylic panel to the inside of your existing window by using a continuous magnetic edging, which creates an air tight seal with our subframe. As a result, an air cavity is created between the acrylic and the glass. The air cavity and magnetic seals act as an insulation barrier against noise and temperature. Our uPVC subframe is adaptable to fit any existing window frame – timber, aluminium or steel.





## Why Use Magnetite?

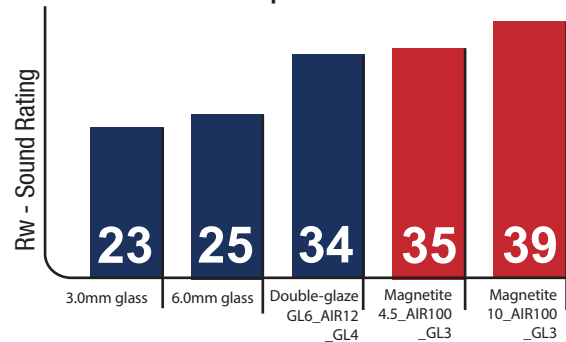


### Noise Reduction:

*Reduce Noise by up to 70%*

Noise in residential areas can cause sleep loss, stress, poor health, and an unpleasant home environment. Whether it is from traffic, aircraft, construction, or neighbours, Magnetite's retrofit double glazing can minimise noise travelling through your windows. As a secondary window system, Magnetite creates a large air cavity to buffer against noise. Our magnetic seals reduce draughts, which also conduct noise. This creates a home free from outside distractions and disturbance.

Acoustic Comparison of Windows



### Thermal Comfort: *Stay cool in summer and warm in winter*

Natural light and bright rooms encourage general well-being and a connection with the outdoor environment. Unfortunately windows can be the largest source of heat loss and heat gain in any home. Magnetite's optical grade acrylic glazing is up to six times more thermally efficient than glass. Installing our retrofit product ensures a comfortable indoor temperature all year round.



### Energy Efficiency: *Windows that perform for you and the environment*

A sustainable and environmentally friendly home relies on the performance of its windows. Double glazing creates a greener home. Using less energy for artificial heating and cooling reduces the amount of greenhouse gas emissions produced. By conserving energy usage you will save money on energy bills. Retrofitting is a popular choice for sustainable living because it has a lower impact on the environment by re-using existing materials instead of replacement windows that create waste.

Cooling		Heating	
★★★★★	uPVC double glazed w/ argon gas and low-e glass *	★★★★★	uPVC double glazed w/ argon gas and low e-glass
★★★★★	<b>Magnetite 4.5mm w/ existing timber window **</b> (76% improvement, U-value 1.8 W/m2K)	★★★★★	<b>Magnetite 4.5mm w/ existing timber window</b> (62% improvement, U-value 2.6 W/m2K)
★★★★★	<b>Magnetite 4.5mm w/ existing aluminium window **</b> (73% improvement, U-value 2.3 W/m2K)	★★★★★	<b>Magnetite 4.5mm w/ existing aluminium window</b> (58% improvement, U-value 2.9 W/m2K)
★★☆	uPVC double glazed w/ air *	★★★★☆	uPVC double glazed w/ air
★	Timber single glazed	★★★	Timber single glazed
0 star	Aluminium single glazed	0 star	Aluminium single glazed

\* Window has a shading film, \*\* Window has a low-e film  
Window Energy Rating Scheme - Custom Rating for Magnetite (Australia) Pty Ltd, AFRC, June 2010.  
Window Energy Rating Scheme - Generic & Custom AFRC Ratings 2009.



## **Fits Existing Windows:** *Retrofit Double Glazing*

The Magnetite retrofit double glazing system fits to your existing window, door or skylight to achieve clear results for your home. Our system has been designed to deliver the same insulation as traditional double glazing without the inconvenience of replacement windows. Our retrofit solution blends in to the existing window with minimal impact on the appearance. The use of magnetic seals allows our system to be easily opened for cleaning and ventilation.



## **Service & Value:** *Australian Business Awards Best Value Product & Service and Product Excellence*

We believe that excellent service is integral to our business and our success. We understand it is important for you to receive reliable, timely and efficient service. With Magnetite, there is no need for structural changes or replacement windows in your home, which significantly reduces disruption and installation costs. This is the affordable and convenient way to reduce noise and thermally enhance your home.



## **Custom Installation:** *A Perfect Fit for Your Windows*

Our slim line frame is designed in a range of colours to match any decor and window furnishings. Magnetite is perfect for any fixed or moving sash windows including casement windows, double hung, sliding, multi-pane, and oddly shaped windows. Our ability to maintain the appearance and integrity of each window from the outside makes Magnetite the ideal double glazing solution for heritage homes and strata apartments.

### **Our Industry**

We keep abreast of the latest developments in the window and green building industries and are active participants and members of many industry associations including HIA, Ecospecifier, Green Star, Window Energy Ratings Scheme (WERS) and Australian Windows Association (AWA).

***Call today for your FREE,  
no obligation measure and quote***



[www.magnetite.com.au](http://www.magnetite.com.au)



### **Proven and Tested**

Our product has been independently tested by the National Acoustic Laboratories and the Window Energy Rating Scheme (WERS) in line with National Fenestration Rating Council (NFRC) regulations.

