

Jim's
Glass



**ENERGY-EFFICIENT
GLASS**





**“NATURALLY control
your environment
resulting in a healthier
home and a happier you!”**

WHAT ARE THE BENEFITS OF ENERGY-EFFICIENT GLASS?

- Improve your comfort, and your heating and cooling bills!
- Improve the efficiency of your air-conditioner and your heating systems, by fixing the windows!
- Improve the value and marketability of your energy-efficient home.
- Energy-efficient glass can be installed into your existing doors and windows. It doesn't limit your functionality or durability like some other retro-fitting alternatives.
- A healthier home! NATURALLY control your environment resulting in a healthier home and a happier you!
- Great for the environment! Energy-efficient glass will help to reduce your household's carbon footprint.
- 10-year manufacturer's GUARANTEE for peace of mind.

WHY REGLAZE WITH ENERGY-EFFICIENT GLASS?

Traditional windows are an energy liability in a house design. Ordinary glass offers no insulation benefit – so in a typical home with insulation in the walls and ceiling, the windows are the cause of most of the unwanted heat gain and heat loss.

Heat travels from where it is hot to somewhere it is cold. Your winter warmth is escaping from the inside of your home and unwanted summer heat is pouring in – typically meaning that you turn on your heating or cooling systems to restore your comfort.

This creates two problems. Firstly, you rely on heating and cooling systems to be switched on to maintain a comfortable environment. Secondly, you need to run them for a lot longer, because your windows are actively working against your desire to keep that heat in, or keep it out!

A typical household spends up to 40% of its total energy usage on space heating and cooling – the single largest element – so improving your energy efficiency can pay real dividends.





**“Improve the value
and marketability of
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NEED PROOF?

Just put your hand against your existing window in winter and see how icy cold the glass is. This icy cold surface is drawing heat out of your rooms as quickly as you create it. Direct sunlight on a 1m² of ordinary glass in summer has roughly the same heat output as a single bar radiator. If your living room has 6m² of glass in it, that is the equivalent of running a 6 x bar heater on a summer's day!

Energy-efficient glass acts like insulation – transparent insulation – to slow down the flow of heat and improve the comfort of your home. Think of your home right now as a sieve... leaking energy. These leaks need to be addressed.



Normal camera image



Thermal camera image

The image on the right was taken using a thermal imaging camera. What you can see is heat being reflected. Heat and cold is now visible to the naked eye, and colour tells the temperature story. Blue areas represent cool and green and yellow areas represent warm. You can see how ordinary glass lets the summer heat pass through the window unhindered, whilst the SmartGlass™ captures the heat and reflects it back outside keeping homes cooler in summer.



YOU INSULATE YOUR ROOF, AND YOUR WALLS – WHY NOT INSULATE YOUR WINDOWS?

Over one third of your total house surface area is your roof, through which around 45% of your heat escapes to the exterior. Home owners proactively get roof insulation installed to prevent this heat loss.

Windows represents a mere 8% of the total surface area of your home, but the low resistance glass has to heat flow means a 49% of energy loss is allowed through your windows, and up to 87% of heat gain.

Energy-efficient glass slows down this heat flow. Unprotected glazing is considered to be the single greatest source of unwanted heat gain in an otherwise well-insulated home.

Improving the insulation performance will mean that your home stays at a more comfortable temperature for longer, reducing your reliance on space heating and cooling to maintain your comfort and running them for less time when you do need to.

IMPROVE YOUR COMFORT, AND YOUR HEATING AND COOLING BILL!

Energy-efficient glass can protect your family year round from the extremes of heat and cold while reducing your heating and cooling bill. One of the best features of reglazing is that you can keep your views and natural light and be much more comfortable throughout the year. And after all, comfort is the most important thing at home.

Every home is different, and every household uses their energy differently, but to give you an idea, a typical household spends approximately 40% of its total power usage on space heating and cooling, the single largest element.

Turning your space heating and cooling on later and turning it off earlier could save countless of running hours (and dollars) over a year.

A saving of up to 25% on your heating and cooling bill could mean as much as a \$330 saving – year after year.

A report commissioned by the Energy User Association of Australia (EUAA) has found that Australians pay amongst the highest power prices in the world, and in the foreseeable future, we could pay the highest. Improving the energy performance of your windows can pay dividends now, and into the future.



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A BETTER 'FIT' THAN DOUBLE GLAZING

People fit double glazing to improve their windows' energy efficiency and/or to reduce unwanted noise. Double glazing can be expensive, and in most cases cannot be fitted to existing windows due to its weight and thickness.

To use double glazing in your existing windows usually results in having to also replace your window frames, to choose a unit with a very small air gap that will fit, or to make compromises on how your frames look or function. Changing your window frames can be a sizeable and costly project.

With the advancement in glass technology, single-glazed energy-efficient glass can offer similar levels of performance for insulation and sound reduction to retro-fitted double-glazed units. Single glazing can be quickly and easily fitted to give improved performance at a fraction of the effort and cost.

COMPLETELY TRANSPARENT

Improving the performance of your windows is about achieving balance – making the most of free warmth from the sun when you want it, allowing access to natural light and views whilst limiting unwanted heat gain or glare.

Unlike window tinting, which acts like putting sunglasses on your home, energy-efficient glass does not automatically mean a compromise on natural light. If your home gets cold in winter, but has access to free heating during the day, then window tinting alone may not be any help to you at all.

Installing energy-efficient glass is a great solution for maximising winter warmth, maintaining your views and taking away some unwanted summer heat gain. The wide range of products available means you can choose a product that will limit your heat gain in summer, without compromising on natural lighting or anything in between.

ENHANCE SOLAR PANEL INVESTMENT

Have you installed solar panels?

Energy-efficient glass will enhance your return on investment in your solar panels by reducing your own home energy consumption, ensuring you return the maximum energy possible back into the grid.

The combination of solar panels and energy-efficient glass is the perfect marriage to reduce your carbon footprint, enhance your lifestyle, and save you money!

GREAT HEALTH BENEFITS

A sense of connectedness with our environment is an important part of designing a happy and productive living environment. We don't want to hide behind closed shutters and blinds; we want to enjoy our comfortable, light, open spaces as much as possible.

Artificial heating operates by saturating the air with ions, which causes a feeling of fatigue, headaches and irritation. Artificial cooling operates by removing moisture from the room, resulting in dry skin and brittle hair.

Energy-efficient glass reduces the need for artificial heating and cooling, allowing you to naturally control your environment – providing a healthier home for you and your family.



ADD VALUE TO YOUR HOME

Installing energy-efficient glass can add value to your home, by increasing its market value and its desirability when you choose to sell.

As energy prices rise and Mandatory Disclosure legislation looms, the energy efficiency of homes offered for sale or rental is set to become a real factor in determining market prices.

THE RIGHT PRODUCTS AND THE RIGHT ADVICE

Jim's Glass is proud to stock and glaze Viridian SmartGlass™, an energy-efficient range of glass that recently won the HIA Green Smart Award. You can also choose the additional benefits of Viridian ComfortPlus™ and Viridian ComfortHush™ to enhance the performance and amenity of your windows. These innovative products mean you can effectively control the energy performance of your home using a superior Australian-made, Australian-guaranteed product.

Sound advice on your options is the most important part of getting the best result. You can rely on Jim's Glass to give you the right advice on glazing selection and installation.



ENERGY EFFICIENCY AND SOUND REDUCTION

Viridian SmartGlass™ and ComfortPlus™ are energy-efficient glass types that will insulate your windows and provide enhanced energy efficiency for your home. Viridian SmartGlass™ is a single panel glass with a 'Low E' coating, and can be used in many window applications and can also be toughened. Viridian ComfortHush™ is a specially formulated three-layer laminated glass, it has been designed to offer energy efficiency and sound reduction.

Viridian ComfortHush™ is the latest innovation in glass technology with an energy-efficiency benefit of 39% better insulation over ordinary glass and a 6dB reduction (weighted average) over ordinary 3mm glass. This reduction will give roughly the same benefit as doubling the distance between you and an unwanted noise source – noisy neighbours, traffic etc.



SUPERIOR PROFESSIONAL FINISH

Jim's Glass are specialists in the installation and glazing of glass products, which ensures that you will receive the best quality workmanship and final product as experienced by our thousands of satisfied customers. The expertise and experience of our glaziers guarantees you will receive not just a tradesman result but the perfect result.



All your glass panels are precisely measured by our qualified glaziers, and then cut to size and processed using precision machinery.

The energy-efficient glass used by Jim's Glass is backed by a 10-year manufacturer's warranty. Once a final quality inspection has occurred, our glaziers will arrive at your home re-glaze your windows with the energy efficient glass.

All our glaziers are police checked, fully-insured, fully-qualified and OH&S compliant, so you can be assured that the people you are letting into your home deserve the trust you are placing in them.

14-DAY TURNAROUND

Your home can be re-glazed with energy-efficient glass in as soon as 14 business days from the placement of your order. So you can start to enjoy the benefits of your decision sooner rather than later.





PEACE-OF-MIND



Glass can be a dangerous product and must be treated with the appropriate respect. For your peace of mind, when you call Jim's Glass, you can be confident you are getting the best qualified glaziers who perform high-quality work. This is endorsed by Jim's Glass LIFETIME GUARANTEE.

Every Jim's Glass glazier is:

- Fully-insured for damage and public liability
- Fully-qualified and trained
- Police and security screened
- Australian Glass & Glazing Association Member
- Backed by the Jim's Group.

PLUS all work completed comes with a:

- LIFETIME GUARANTEE on glazing
- Certificate of Compliance that all work performed is in full accordance with Australian Standards AS1288/2006 (Glass in Buildings – Selection & Installation)

This is our commitment to you that you get exactly what you are paying for, in writing and backed by Jim's commitment to customer service!

You can download our GUARANTEE at jimsglass.com.au



Contact Jim's Glass on **131 546** to book your **FREE** measure and quote or visit jimsglass.com.au