



TURNING YOUR HOUSE INTO A BEAUTIFUL ENERGY EFFICIENT HOME

# Our Company – Our People

**Moar windows & doors and Energy Efficient windows australia** proudly manufacture and specialise in **double glazed thermally efficient windows and doors**. Offering a complete range of high quality solid timber and uPVC steel reinforced windows and doors.

## THE TIMBER SPECIALISTS

**Moar windows & doors** commenced business in 1997. Our specialist tradesmen have been working in quality timber joinery since 1986. We are conveniently located half way between Sydney and Brisbane on the New England Highway at Armidale. Based in Armidale means we understand the New England climate extremes. Having low manufacturing overheads makes us very competitive with our metropolitan counterparts, allowing easy delivery to Sydney, Brisbane or any place in between.

- Family business who prides itself on producing quality items
- Our products are specific to the client's needs and their architect's vision
- Over 28 years specialised experience
- Excellent reputation and local after sales service
- All products are manufactured and guaranteed to meet Australian Standard AS2047
- Licensed member of the Windows & Door Industry Council of Australia (WADIC)
- WADIC BAL29 Proprietary Cedar Windows and Doors Licensed Bushfire Fabricator
- Specialists in window, door and staircase manufacturing
- Quality traditional joinery and personalised design service
- Competitive prices for premium quality
- Flexibility in lead times, working to suit your builder
- We only use quality hardware that lasts



## THE UPVC SPECIALISTS

In 2010 **Moar windows & doors** recognised the need for alternative thermally equivalent windows and doors and began the process of supplying steel reinforced uPVC products and **Energy Efficient windows australia** was established. Our specialist tradesmen have been working in the United Kingdom uPVC industry since 1994 before relocating and working solely in the Australian uPVC industry since 2008.

- Over 20 years specialised experience
- Specialists in uPVC window and door manufacturing
- All products are manufactured and guaranteed to meet Australian Standard AS2047
- Competitive prices using premium German Rehau profile
- uPVC Rehau profile specifically formulated for the Australian climate
- Australian made and local after sales service
- We only use quality hardware that lasts

## Our Products

**Moar windows & doors** manufacture our timber windows and doors from certified sustainably sourced Western Red Cedar from British Columbia but we can cater for your choice of timber as well. We have an extensive range of designs and glass options to suit any architectural or individual style. The only thing we will not compromise on is quality, performance and reliability. Attention to detail is our speciality. We minimise maintenance by supplying your windows and doors with 100% coverage of paint prime or Sikksens Wood Finish to keep them looking good for many years to come.

We are one of a few Australian manufacturers of the new European designed timber **Lift & Slide Door Systems**.

- Offers the ultimate solution for large, heavy double glazed sliding doors.
- Allows effortless operation, minimal friction, superior sealing and excellent weather resistance.
- The System separates the sliding and sealing from the locking actions, allowing the door to virtually hover over the frame.
- On opening, the unique design lifts the door off the frame, the gears engage and the door slides with ease.
- On closing, the door panel lowers and weather seal are engaged and enhanced by the weight of the sash, providing an exceptional seal.
- Available in 9 possible configurations.
- Up to 18 metres in width and 3 metres in height.
- Weight capacity of up to 400kg per door sash.
- Available for viewing in our Showroom.

**Energy Efficient windows australia** supply thermally efficient European designed uPVC windows and doors. We use German designed **Rehau** Window Systems with UV-stability specifically formulated for the Australian Climate. Quality European and American hardware completes these stunning windows and doors combined with no ongoing maintenance and you're onto a winner.

By offering Timber and uPVC windows and doors, both of equal thermal performance, you have the ability to mix and match products to suit your needs.



*The home featured above seamlessly combines Timber bi-fold doors with uPVC windows.*

# Design Flexibility

We are known for creating beautiful windows and doors with an extensive range of design and glazing options to suit any architectural or individual style. We work with you to ensure that your windows and doors are complimentary to your home and lifestyle.

- Our range of window and door styles can be mixed and matched for new buildings and replacement applications.
- We can provide products suitable for Heritage homes.
- All of our timber products are either paint primed or Sikkens Oil primed prior to being glazed, ensuring every section of timber is fully sealed before leaving our workshop.
- Our Rehau uPVC products have an attractive range of colours and multiple configurations to choose from.
- The Rehau uPVC profiles are specifically engineered to withstand extreme UV radiation ensuring that the wood-grain look and other colours do not discolour, warp, flake or peel.
- Able to provide Timber and uPVC products to Bushfire Attack Level BAL29.
- Timber and uPVC products provide the ultimate in thermal efficiency (compared to aluminium windows)
- Excellent acoustic insulation in timber and uPVC.
- Double glazing specialists.
- Multiple screen options with standard screens as well as Brio Retractable screens.



We provide a professional design service so you can see exactly what we are offering. We can assist you with the practical, aesthetical and energy saving consideration of your project with free advice and quotes. All designs are computer generated and are specific in detail to ensure accuracy and quality. We work with our clients, their architects and builders, to ensure complete satisfaction.

# Double Glazing

Beautiful windows are possibly the most complex and interesting elements in our homes. They provide light and fresh air and offer views that connect the interior with the exterior. However, ordinary single glazed windows can also represent a major source of unwanted heat gain in summer and significant heat loss in winter.

**More Energy Efficient windows will make your home more comfortable whilst dramatically reduce your energy costs and help create a brighter, cleaner, healthier environment.**

Traditional window glazing consists of a *single sheet of glass* within your window sash. Double glazing refers to a sealed glass unit comprising 2 sheets of glass separated by a spacer bar around the outside of the glass. The spacer bar creates a nominated air gap between the glass panes. It is this still air gap that creates the insulation break between the inside and outside of the window.

Double glazing also controls noise while not impeding the view.

Which windows and door should be double glazed?

The answer is all of them. Double glazing allows the low winter sun to stream through and warm your home and once the sun's *radiant* heat has passed through the double glaze unit and is off the glass, the room retains the *ambient* heat, preventing heat loss back through the glass.

What is the optimum air gap between the 2 panes of glass?

For maximum performance the space between the 2 panes should be about 10-12 mm however increasing the air gap to over 15mm will not provide any extra significant thermal benefits. Here at Energy Efficient Windows the majority of our double glazed units have a 12mm air gap.

**What about western heat from the sun on double glazing?**

Double glazing does not impede solar heat gain therefore it will still allow winter sun penetration. Unprotected double glazed windows will still require appropriate summer shading.

The best solution for managing *solar heat gain* is to actually shade your North and West facing windows in summer, but allow the sun to stream through in winter. Tinted glass and Low E glass will help reduce heat transfer in summer but equally blocks the valuable solar heat gain in winter. Once the sun is off the glass the double glazing effectively insulates your home from heating up in summer and prevents heat loss in winter.

**Are double glazed windows very expensive?**

Double glazed is more expensive initially than single glazed windows. However, this initial cost should be offset against savings made by improved insulation resulting in the reduced energy required to heat and cool your home and the subsequent carbon emissions. Also, double glazing can negate the need for expensive heavy duty curtains. Double glazing will add capital value to your home. It's good all round – all round the home and all round the year!

**Why Timber and uPVC products? Why not aluminium products?**

Aluminium is a poor insulator due to its high thermal conductivity and as a result a large proportion of energy due to heating or cooling can be lost through the metal frame whereas Timber and uPVC frames naturally have a low U-value, complimenting the efficiency of the double glazed unit and will outperform standard aluminium product.

U values measure how well a product prevents heat from escaping

(\*The lower the number the better the insulation. Source: WERS Generic Products Directory)

**Timber or uPVC Standard Window 3mm/12 air gap/3mm**

**u-value of whole window=2.82**

**Aluminium Standard Window 3mm/12 air gap/3mm**

**u-value of whole window=4.07**



# Leading the Way

We are always determined to provide the best products available especially when it comes to quality, ease of use and improving energy efficiency. This is why we seek out the best hardware on offer and listen to our clients needs to see how we can improve our range of products.

- The first licensee for WADIC BAL29 Proprietary Cedar Windows and Doors Fabricator in Australia.
- Manufacturing the new **Lift & Slide Door System** for ease of use and incredibly efficient seal.
- Brio Retractable Screens to maximise use of the winter sun (when retracted) fitted to any style door.
- We use high quality hardware on all of our products.
- Provide innovative options to meet our clients' needs.



In 2015 **Moar windows & doors** will be introducing new **Aluminium Clad Timber windows and doors** with a number of colour options available. This will allow clients to have aluminium extrusion on the exterior window face and the beauty and warmth of solid timber on the interior.



# Sustainability

We pride ourselves on our reputation and our quality products, but we also care about the impact that our products have on the environment. Which is why we take such great care to ensure that our products and business practices are sustainable.

- All of our timber is responsibly and ethically sourced and certified.
- Our timber is kiln dried to 12.5% and then sealed prior to leaving our workshop floor.
- All of our products have green credentials, ensuring their longevity and that they will assist in creating a thermally efficient home.
- We have invested in Solar Electricity for the workshop.
- Recycling our waste bi-products with sawdust being used for animal bedding, shavings for composting toilets, off cuts used for kindling and offcuts for preschools and toy & furniture making.
- We employ local staff and have trained many of apprentices over the years, ensuring that traditional joinery skills continue to be taught.
- Where possible we purchase our supplies locally or from Australian wholesalers. We do not import products directly, which ensures that the money we spend contributes to the Australian Economy.





**Moar windows & doors**  
**Energy Efficient windows australia**

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