



The Carinya Collection

DURALCO 
PREMIUM ALUMINUM PRODUCTS FROM AUSTRALIA

carinya 
RESIDENTIAL
WINDOWS AND DOORS



CARINYA SMOOTH AS SILK

With the design pedigree established in the demanding commercial window and door market, the Carinya residential range has been created by commercial window powerhouse Alspec to be the leader in its class.

Carinya is the new name in premium quality residential windows and doors. The Carinya range has been developed by Alspec, one of Australia's most respected and long-standing suppliers of aluminium products to the commercial building industry.

Architects and builders will tell you: 'The choice of windows and doors can make or break the outcome of a building project!'

Alspec created the Carinya range in response to an approach by a leading homebuilder for superior quality windows and doors at an affordable price.

Thanks to the scale and strength of Alspec's commercial operations, the commercial and industrial pedigree of Carinya products ensures a level of performance and design normally beyond the homebuilder's budget.

Carinya windows and doors are an investment you will enjoy every day. In fact, the name Carinya is an indigenous word meaning 'Happy Home'.

The very best in windows and doors is now within your reach.

The Classic Range

The Carinya Classic Range includes a variety of windows and doors suitable for all homes. Products include sliding windows, sliding doors, double hung windows and awning windows.

The Select Range

The Carinya Select Range includes premium windows and doors for the discerning home buyer. Products include hinged doors, double hung windows and bi-fold doors.

Carinya windows and doors: Commercially-bred. Clearly better.

Carinya invest heavily on Research & Development to come up with innovative solutions in catering for all requirements in the National Construction Code.

Carinya have tested and developed products to meet a range of building requirements in up market homes and multi-unit Residential areas offering a complete solution for all your needs no matter how large or small a project may be.

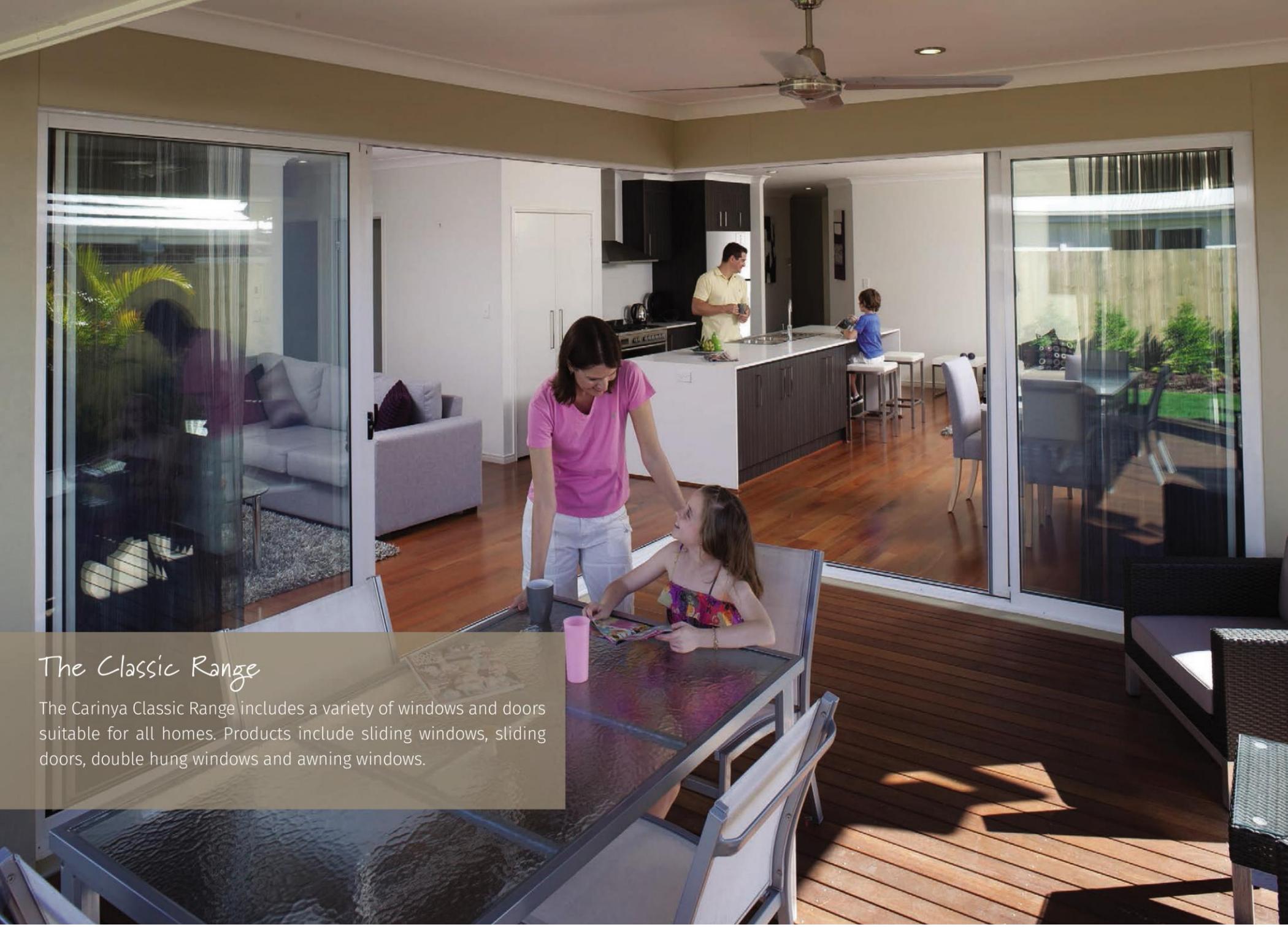


Our Carinya Dealers are pleased to offer a solution for multiple keys for your doors and windows. It is possible to have 1 key for your front door, sliding door, french door, bi-fold door, sliding window, awning window, double hung window and security door.

**With Carinya's Master Key
there's less keys... and less fuss!**

Why Carinya is better

- ✓ Commercial design pedigree.
- ✓ Superior designer look - created by architects and design engineers.
- ✓ Suitable for all glass thicknesses from 4mm through to 10.5mm.
- ✓ Suitable for double glazing with up to 24mm insulated glass units.
- ✓ Infills, end caps and weather seal guard against air, water, grit and insect penetration and increase acoustic performance.
- ✓ Fully energy rated and certified to WERS
- ✓ Fully tested and certified to bushfire conditions up to BAL40.
- ✓ Fully tested and certified to high acoustic requirements.
- ✓ Fully tested and certified for cyclonic regions C & D.
- ✓ The only residential window & door system designed by a market leader in commercial doors and windows.



The Classic Range

The Carinya Classic Range includes a variety of windows and doors suitable for all homes. Products include sliding windows, sliding doors, double hung windows and awning windows.



Classic Sliding Door

The Classic Range

The Carinya Classic Sliding Door is a product in the residential market having evolved out of a system designed for the high rise apartment market.

This commercial background means that besides a modern designer look, the Carinya Classic Sliding Door is packed with a multitude of performance features, many of which are simply not available in competing products:

- ✦ Rather than unsightly exposed tracks found in most residential doors, Carinya has a complete range of threshold as well as end caps to conceal all cavities. This not only provides a superior quality, commercial grade finish but also minimises places for insects, dirt and grit to gather.
- ✦ An internally concealed weather flap also reduces air and water infiltration and minimises insect intrusion through the drain holes.



Functional and stylish Dual Point Yarra Curve door lock. Yarra Edge door lock with optional stylish colours also available.



Alspec's high performance, commercial door roller used in the Carinya residential sliding door for smooth operation.

STREAMLINED HARDWARE

The Carinya Classic Sliding Door has been matched with commercially designed hardware to ensure style and durability.

The Yarra Curve and Edge door locks provides functionality and varying finish options for your project. This functional design allows for ease of use and utilises 5 pin cylinder security for peace of mind.

To maximise the performance of your sliding door we have utilised a proprietary Alspec roller system. It's the same system used throughout the commercial range and is available in two options - General use: for the majority of loads up to 80kg per panel; and Heavy duty commercial: designed for extra large sashes

The roller options have been designed to integrate with the stiles to create a strong and robust panel, minimising movement in joints and opportunities for air infiltration.

Applications

- New residential construction.
- Door replacement and renovation.
- Low-rise multi unit developments.

Specifications

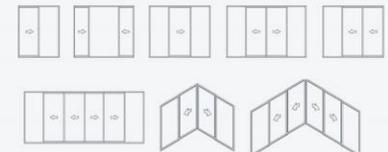
- Maximum Panel Height: 2400mm
- Maximum Panel Width: 900mm
- Maximum Single Glazed Thickness: 6mm
- Maximum Double Glazed Thickness: 10mm
- Maximum Sash Weight: 80 kg
- *subject to site conditions

Options

- A range of sill options available for increased structural, water performance and design flexibility.
- Choice of configurations available, including stacking and corner options.
- A range of mid rails available for semi-commercial unit developments.

Configurations

Your Carinya Dealer can offer the typical standard configurations below, as well as custom options to suit your requirements:



The entire Carinya Collection has been fully tested to meet or exceed Australian Standards AS2047, AS1170, AS1191 and AS3959.

The Select Range

The Carinya Select Range includes premium windows and doors for the discerning home buyer. Products include hinged doors, double hung windows and bi-fold doors.



Select Hinged Door

The Select Range

The Carinya Select Hinged Door is a premium product designed for those seeking superior functionality and style as a grand entry to their home.

Consisting of a modern designer look, the Carinya Hinged Door extrusions are a consistent 85mm wide face on both the stiles and rails, combined with a 40mm thick panel. This allows a balanced visual face and allows a vast array of hardware lock options. Combined with optional spigots, these door panels are superior in strength and performance.

✦ A 92mm frame is available for typical open out configurations. This also allows flexibility in design and budget.

✦ The Carinya attention to detail includes concealed flush bolt brackets, reducing visible fixings, as well as custom extrusion design allowing for clean interaction with door hardware.

The entire Carinya Collection has been fully tested to meet or exceed Australian Standards AS2047, AS1170, AS1191 and AS3959.



Carinya 92mm Hinged Door Sill Detail



Exclusive Killara furniture with 4 point locking and snib release

STREAMLINED HARDWARE

The Carinya Select Hinged Door has been designed with hardware from the start, not as an after thought. All locks and flush bolts blend seamlessly with the custom extrusion for a professional finish.

The Carinya Select Hinged Door sashes feature an optional commercial door spigot, allowing a strong and robust panel for enduring use, free of twist and movement.

Standard lock hardware options include Alspec's custom Australian made Killara Furniture, combined with Lockwood's proven Optimum mortice lock. Fitting snug within the stile and allowing an extended 40mm backset, this lock removes the common issue of minimal key distance to the jamb.

Custom flush bolt guides have been designed to remove visible fixings from the extrusion faces, allowing a tighter seal saving potential energy costs while giving a professional, uninterrupted clean visible surface.

Killara Xtra Furniture allows for an internal snib option with lock indicator and four point locking for all configurations.

Applications

- New residential construction.
- Window replacement and renovation.
- Low-rise Multi-Unit Developments

Specifications

- Maximum Panel Height: 2400mm
- Maximum Panel Width: 900mm
- Maximum Single Glazed Thickness: 10.5mm
- Maximum Double Glazed Thickness: 24mm
- Maximum Panel Weight: 50kg
- 92mm Frame

Configurations

Your Carinya Dealer can offer the typical standard configurations below, as well as custom options to suit your requirements:





Select Bi-Fold Door

The Select Range

A premium solution for those seeking superior functionality and style in the alfresco area of their home.

For a modern designer look, the Carinya Bi Fold extrusions are a consistent 85mm wide face on both the stiles and rails. This allows a balanced visual face and allows a vast array of hardware lock options. Combined with commercial grade spigots, these door panels are superior in strength and performance.

The Bottom rolling Bi Fold system features the innovative F2/F3 Centor Bottom rolling hardware which overcomes the requirement for any structural beam as needed in a top hung Bi Fold system. This is ideal for the new or renovation market that want an Alfresco style opening without the additional cost of a structural beam.

The Carinya attention to detail includes concealed flush bolt brackets, reducing visible fixings, as well as custom extrusion design allowing for clean interaction with door hardware. The Centor hardware is of the highest quality which is backed by a 10 year warranty.



Flush Bi-Fold window sill for smooth transition in kitchen servery application.



Exclusive Killara furniture with 4 point locking and snib release

STREAMLINED HARDWARE

The Carinya Select Bi-Fold Door has been internally designed to blend with the hardware. All locks and flush bolts blend seamlessly with the custom extrusion for a professional finish.

The sashes feature a commercial door spigot, allowing a strong and robust panel for enduring use making the panel free of twist and movement.

Standard lock hardware options include Alspec's custom Australian made Killara Furniture, combined with Lockwood's proven Optimum mortice lock. Fitting snug within the stile and allowing an extended backset; this lock removes the common issue of minimal key distance to the jamb. Other lock options include commercial locksets and furniture for a complete choice, as well as two and four point locking on the active leaf panel.

Custom flush bolt guides have been designed to remove visible fixings from the extrusion faces, allowing a tighter integrated sealing saving potential energy costs while giving a professional, uninterrupted clean visible surface.

Killara Xtra Furniture allows for an internal snib option with lock indicator and two or four point locking for all configurations.

Applications

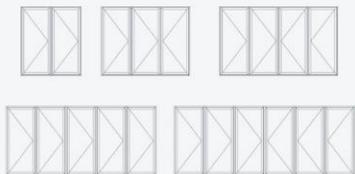
- Renovation market
- New Residential Construction
- Window Replacement and Renovation
- Low-Rise Multi-Unit Developments

Specifications

- Maximum Panel Height: 2400mm
- Maximum Panel Width: 900mm
- Maximum Single Glazed Thickness: 10.5mm
- Maximum Double Glazed Thickness: 24mm
- Maximum Panel Weight: 40kg (E2)
- 92mm Frame

Configurations

Your Carinya Dealer can offer the typical standard configurations below, as well as custom options to suit your requirements:





Images courtesy of Centor.



Images courtesy of Centor.

Centor S1E Eco-Screen

The S1E Eco-Screen™ from Centor is a revolutionary product providing eco-friendly retractable insect screening and solar control with fingertip operation. This product is the evolution of Centor's award-winning S1 Insect Screen.

S1E allows homeowners to have complete control of their living environment. Used singly or paired together S1E is ready for use whatever the season or time of day. S1E retracts horizontally and discreetly into its frame when not in use – a revolutionary solution for those who refuse to compromise on style. For a single function system up to 3.9m wide choose an insect screen to 3.2m high or a sun filter blind to 2.45m high. Create a multi-function system selecting both fabrics for a two-in-one screening solution for openings up to 3.9m wide and 2.45m high. The insect screen and sun filter fabrics prevent insects entering the home and provide solar control.

For larger openings between 3.9m wide and 7.6m wide select a double system, choosing an insect screen up to 3.2m high or sun filter blind up to 2.45m high. The solar control blind doubles as a projection screen for either indoor or outdoor viewing. Mechanisms within the system enable the blind to be left partially open, allowing visitors to pass through the door way without the hassle of opening and closing the blind.

The considered design of the S1E Eco-Screen™ complements any large opening. Available in a natural anodised finish, custom colours and real wood veneers, it's mechanisms are concealed within the frame so screen and frame become an integrated unit.

A range of Centor innovations ensure the whole package functions simply and smoothly.

Load Balancing Technology™

Load Balancing Technology™ (LBT™) (patent pending) allows for the effortless fingertip control synonymous with Centor products. With no crude spring-loading to fight against, the screen's lead-stile remains firmly in any chosen position until further pressure is applied. Load-balancing also means far greater tension across the screen or blind, minimising the tendency for sag.

Tight Technology™

Tight Technology™ manufacturing techniques ensure control of the horizontal edges of the screen so they remain straight and tight across the widest spans.

Shock absorption

In the majority of cases the shock absorption mechanism prevents system damage by redirecting impact away from the screen.

Self-feeding mechanism

Should winds blow the screen out of the top or bottom channels the fabric will self-feed back onto the roll when retracted.

Materials

S1E is manufactured in a combination of aluminium, stainless steel and reinforced engineering polymers. The blind is available in sun filter fabric. The tough PVC-coated polyester screen mesh is hardwearing and resistant to damage caused by pets and children.

Testing

The S1E Eco-Screen™ has undergone cyclic testing to 400,000 operations in a laboratory and extensively exposed to dust, mud, sand and corrosive atmosphere to ensure it is a product for the real world. It has withstood impact testing with a 17kg punching bag 100 times and considerable pushing, poking and prodding to simulate real life usage.

Single function system



Option 1 Screen from left or right
Option 2 Blind from left or right

Double function system

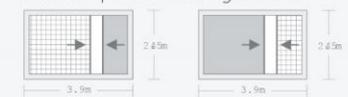


Option 1 Screen from left and right



Option 2 Blind from left and right

Multi-function system



Option 1 Screen from left, Blind from right
Option 2 Screen from right, Blind from left

A Solutions Focused Approach

Carinya invest heavily on Research & Development to come up with innovative solutions in catering for all requirements in the National Construction Code. Working with Architects and Builders, Carinya have tested and developed products to meet a range of building requirements to cater for upmarket homes and multi-unit Residential areas offering a complete solution for all your needs no matter how large or small a project may be.



This icon ensures that our products have undergone stringent testing to ensure that it has met all requirements for windows in BAL-40 zones under AS3959-2009



This icon found in our range of commercial, residential and screening products ensures they have been tested to meet and exceed Australian Standards for Cyclonic Compliance in regions C & D.



Ensure the energy rating on your windows is WERS rated to be confident of its true performance. Visit wers.net for more info.



Carinya Master Key offers the convenience of having 1 key for all your windows and doors. Carinya Master Key - Less keys, less fuss!



When your family's safety and security is of utmost importance, look towards Invisi-Gard security mesh compatible products for peace of mind.



Look for KidScreen compatible products to ensure compliance to building construction requirements for child fall prevention without compromising the look of your windows.

Energy Efficient Glazing

Now you can install green, green glass at home - with designer style!

The Carinya Collection of aluminium framed windows and doors has been specifically designed to be environmentally friendly, reflecting Carinya's commercial market heritage, where thermal and acoustic performance are often critical.

Of all building materials including glass, timber and masonry only one material is 100% recyclable - Aluminium.

Windows and doors are vital to the energy efficiency of any home. Research by the Sustainable Windows Alliance of Australia shows the typical Australian home can achieve an increase of 2 to 2.5 stars energy efficiency simply by upgrading the windows and doors.

Unlike many aluminium doors, Carinya has been designed for all major forms of eco-friendly glazing options without any alteration to the frame or any unsightly additions.

Carinya frames are designed for eco-friendly Low E glass, high thermal and high acoustic performance 10.5mm glazing and 24mm double glazing, usually the most energy efficient option of all.

To maximise the energy efficiency of your glazing discuss your project with a specialist Carinya Dealer and/or your architect or designer.

Remember the three most important issues for achieving maximum energy efficiency in a home are:

- Orientation - always try and have living areas facing north with seasonal or variable shading.
- Insulation.
- Window and door quality and performance - with double glazing nearly always the most energy efficient.



The Housing Industry Association of Australia (HIA) strongly suggests you

ensure the energy rating on your windows is WERS rated to be confident of its true performance.

Carinya gives you that confidence as the entire Carinya Collection has been WERS rated for performance.

WERS stands for the Window Energy Rating Scheme that is managed by the Australian Window Association. WERS enables windows to be rated and labelled for their annual energy impact on a whole house, in any climate of Australia. WERS acts as a fair, rigorous and credible system for testing

energy performance claims. It is about certified performance.

Energy rating for windows is here to stay as part of the federal government's commitment to improving energy efficiency and reducing greenhouse gas emissions.

The flexible glazing options available in The Carinya Collection means that our windows and doors compare favourably in WERS performance and the resale value and comfort of your home are improved by the use of the high performance Carinya windows and doors.

For more information visit the WERS website: www.wers.net

Cyclonic Compliance

The Carinya Classic Sliding Window and Classic Sliding Door has been created by Alspec to be the ideal selection for regions requiring Cyclonic Compliance. As a residential window, this is suitable for all housing construction, including portable buildings and other accommodation requirements.

Affecting the eastern, northern and western coastlines of Australia, and characterised by strong winds and large volumes of moisture, tropical cyclones place enormous stress on the building envelope. The use of windows and doors designed and manufactured to meet the highest pressure, impact and water performance requirements will minimise the possible damage that cyclones can cause.

Alspec Cyclonic Window, Door and Screening Systems have undergone extensive independent NATA accredited testing to provide assurance that they exceed all structural, water and debris impact performance requirements for cyclone regions C and D. The following systems listed provide superior functionality and style along with the performance demanded by the extreme weather conditions encountered in cyclonic regions:

- Carinya 50mm Classic Sliding Window
- Carinya 92mm High Performance Sliding Window
- Carinya Classic Sliding Door



Look for this symbol in our range of commercial, residential and screening products to ensure they have been tested to meet and exceed Australian Standards for Cyclonic Compliance in Regions C & D.

Carinya BAL-40 Bushfire Windows & Doors

The Carinya BAL-40 aluminium range has been designed to withstand temperatures of up to 40kW without failure to the glazing system while complying with AS2047. Protection from ember attack and burning debris preventing internal ignition to the building prevents possible loss of homes from the start.

Bushfires in Australia are almost a common occurrence during the hotter months due to Australia's hot and dry climate. Bushfire events in New South Wales, South Australia, Canberra and Victoria have been the most tragic bushfires events to occur in Australia's history.

The Carinya BAL-40 range successfully exceeded system test requirements outlined in AS1530.8.1 while remaining in operation after the test. Although there are no requirements set for operation after a test, having peace of mind in functioning allows for potential egress and access of the building by occupants or fire authorities.

These results are possible through the extensive Research & Development adding to the high quality design and functionality of this product.

When dealing with a BAL-40 requirement, specify Carinya to ensure compliance to Australian standards. All Carinya BAL-40 windows are identified with a label to ensure quality and compliance of the product to assist with certification onsite.

Bushfire Attack Levels

Bushfire Attack Level (BAL)	Description of predicted bushfire attack and levels of exposure
BAL - LOW	There is insufficient risk to warrant specific construction requirements
BAL - 12.5	Ember attack
BAL - 19	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 12.5 and 19 kW m2
BAL - 29	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 19 and 29 kW m2
BAL - 40	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux with the increased likelihood of exposure to flames
BAL - FZ	Direct exposure to flames from fire front in addition to heat flux and ember attack

Carinya BAL-40 Product Range consists of:

- Classic Sliding Window
- Classic High Performance Sliding Window
- Classic Awning window
- Classic Sliding/Stacking Door
- Classic Fixedlight
- Select Hinge Door
- Select Double Hung Window
- Fall Prevention KidScreens



This icon ensures that our products have undergone stringent testing to ensure that it has met all requirements for windows in BAL-40 zones under AS3959-2009

Simple Screening Solutions

Don't forget your screening options!

Carinya products have been designed to accept screening products without the need for unsightly adaptors or added material. Door and window screening provides protection from insects and other unwanted 'guests' to your home, whilst minimising the impact on your view. In addition to standard fibreglass and aluminium insect screening, your Carinya Dealer can also offer the latest technology in high visibility screening using BetterVue® screening to maximise your view.



High Visibility Fyscreening

Improved Visibility Insect Screening (IVis)

Greater Openess provides:

- 20% better airflow, allowing in light and fresh breezes
- 20% more optical clarity for a sharp, more brilliant image
- 10% better insect protection
- Infused with Microban antimicrobial product protection
- Suitable for all window and patio screen door applications



Invisi-Gard - Security Screening

If security screening is desired for your Carinya Residential Window or Door, Invisi-Gard's Marine Grade 316 Stainless Steel Security Screens is your ideal choice for unmatched durability, protection and performance.

Fixed security screens are becoming more of a requirement for the Invisi-Gard security conscious home owner. New homes and renovations of today often incorporate large windows and doors as features in the overall design of the home. To cover these windows and doors in conventional security grilles would seriously detract from the visual appeal of the home or obscure vision and as a result of this, security is often not an option.

Invisi-Gard fixed security screens combine the proven strength and security of 316 Marine Grade Stainless Steel Mesh with extruded aluminium perimeter framing to create a security screen that looks great whilst providing excellent security.

KidScreen - Kid Safe

KidScreen Window Fall Prevention screens are without question the best investment for your children's safety. They are also the best investment for the look and value of your home.

KidScreen Window Fall Prevention screens are a unique patent design, cost effective barrier solution designed specifically for child protection of openable windows. Recently presented with a highly commended Award from the "Australian Windows Association Most Innovative Window Component 2013".

The use of KidScreen Window Fall Prevention screens when secured to the window means it can be left fully open allowing natural air ventilation of the particular window type. No restricted opening is required as it acts similar to a security screen without the premium cost.

All KidScreen Window Fall Prevention screens are custom built, made to measure to meet the exact requirement of the National Construction Code 2013 (Vol 1: D.2.24 & Vol 2: 3.9.2.5) ensuring that your children are in the safest possible environment.



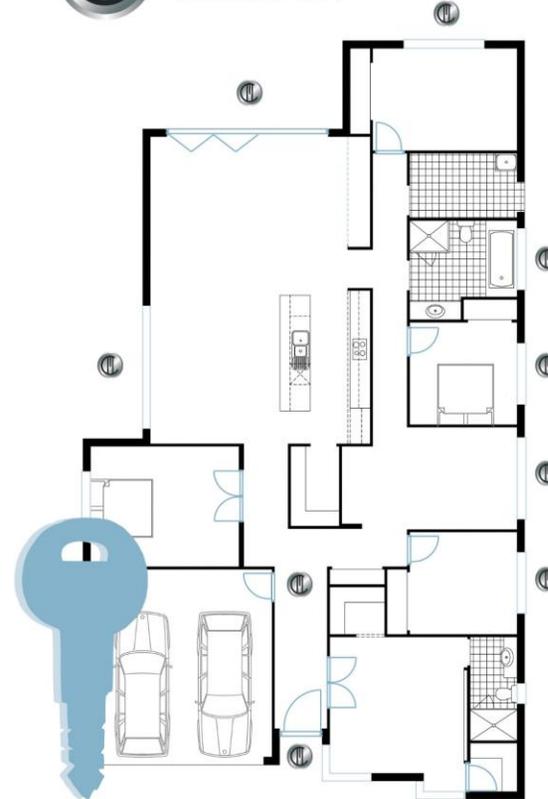
Carinya Master Key

Sick of having many keys for different locks?

Our Carinya Dealers understand this inconvenience and are proud to offer our Carinya Master Key, eliminating multiple keys for your doors and windows.

Carinya Master Key offers the convenience of having 1 key for your front door, sliding door, french door, bi-fold door, sliding window, awning winder, double hung window and security doors.

Carinya Master Key - Less keys, means less fuss!



One key for all your windows AND doors!

Colour Options

Depending on the look you require, you have many colour options for your Carinya Windows and Doors. Your Carinya Dealer can help you through this process of selecting a perfect match to your project.

Carinya Windows and Doors can be finished by one of two options for aluminium:



Powder Coating

- A tough and durable option allowing for a wide range of colours.
- A choice of world leading suppliers of powder finishes.
- Finishing is provided by supplier accredited Alspec branches, as well as selected quality contractors.
- Warranties are available. Depending on your finish option, you will receive a warranty ranging from 7 years (film and colour integrity) to 15 years (film and colour integrity).

Anodising

- You may prefer a choice of anodising, an electro-chemical treatment available in standard finishes, natural anodised and non standard, bronze and black.