



BAL-40 Windows & Doors

BUSHFIRE RATED SYSTEMS FOR BAL-40 ZONES

AWS has developed and tested an extensive range of Vantage, Elevate™ and ThermalHEART™ aluminium windows and doors to meet and exceed BCA requirements for compliance under Australian Standard AS3959-2009 for windows and doors in a BAL-40 bushfire zone.

These products are engineered, tested and certified to withstand the conditions likely to occur in a BAL-40 zone and are designed to help you protect your home whilst still delivering unprecedented style, efficiency and functionality for your lifestyle.

- All operable windows in a BAL-40 bushfire zone must be screened.
- AWS BAL-40 tested doors do not require screens in a BAL-40 bushfire zone.
- If screens are fitted to an AWS tested BAL-40 door for insects the screen must be BAL-40 compliant
- AWS considers Centor™ retractable screens to be classes as internal window dressing.
- All AWS BAL-40 tested window and doors use toughened glass.
- AWS has tested double glazing for use in a BAL-40 bushfire zone.
- AWS windows and doors can be used in BAL-FZ with a compliant bushfire shutter.
- AWS estimates BAL-40 windows cost approximately 28% more than standard windows.



CASE STUDY

Understanding the Cost of BAL-40 Windows

To assist you in understanding how much more BAL-40 windows will cost in your home, AWS has prepared a basic case study. Please note the costs provided below are a guide only and you should request a formal quote from a licensed AWS fabricator specific to your project.

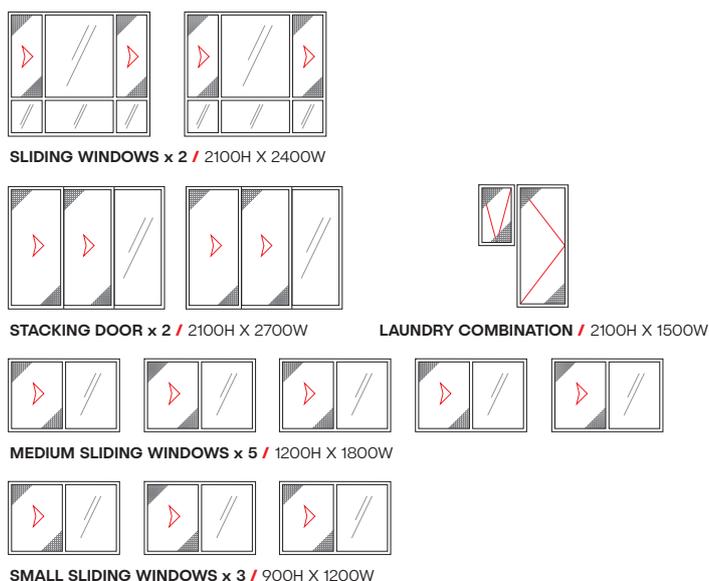
TYPICAL THREE BEDROOM HOME

This case study is based on a small-to-medium three bedroom home. Costs have been calculated based on the inclusion of the windows illustrated right.

The following AWS window systems have been used for this project:

- Series 504 Sliding Window
- Series 542 Stacking Door
- Series 516 Awning Window
- Series 549 Hinged Door

These systems are part of the Vantage residential range, the entry level product offering from AWS.



	Approx. House Lot Value	Approx. Cost per m ²	Percentage increase over non-BAL-40 equivalent	Notes
Standard Single Glazed	\$13,960	\$361	-	Includes std. flyscreen
BAL-40 Single Glazed	\$16,900	\$437	21%	Includes BAL-40 compliant flyscreen
Standard Double Glazed	\$18,455	\$477	-	Includes std. flyscreen
BAL-40 Double Glazed	\$21,510	\$556	16.5%	Includes BAL-40 compliant flyscreen

All figures based on supply only of aluminium windows and doors fitted with 138mm finger jointed pine reveals. Excludes delivery and installation.

STANDARD SINGLE GLAZED COSTING BASED ON:

- 5mm Clear Annealed/Float Glass in all windows
- 4mm Clear Toughened Glass in all doors
- Standard seals and hardware options
- Standard powder coat finish option
- Standard flyscreen option

STANDARD DOUBLE GLAZED COSTING BASED ON:

- 18mm IGU 5mm Clear/8mm Air/5mm Clear in all windows
- 18mm IGU 4mm Clear Tgh/10mm Air/4mm Clear Tgh in all doors
- Standard seals and hardware options
- Standard powder coat finish option
- Standard flyscreen option

BAL-40 SINGLE GLAZED COSTING BASED ON:

- AWS BAL-40 Tested window system
- 6mm Clear Toughened Glass in all windows and doors
- Bushfire tested seals and hardware
- Standard powder coat finish option
- BAL-40 compliant flyscreen option

BAL-40 SINGLE GLAZED COSTING BASED ON:

- AWS BAL-40 Tested window system
- 20mm IGU 6mm Clear Tgh/8mm Air/6mm Clear Tgh in all windows and doors
- Bushfire tested seals and hardware
- Standard powder coat finish option
- BAL-40 compliant flyscreen option