



## Why are AFRC ratings the only certified ratings in Australia?

The AFRC is the Australian Fenestration Rating Council and is responsible for the maintenance of the protocols by which energy ratings are conducted in Australia. The AFRC maintains a set of procedures to ensure that one company does not benefit from calculating their data differently from other data in the Australian market and to protect consumers from being misled about the performance of their fenestration products. AFRC protocols and procedures are referenced by the Building Code of Australia for compliance.

## What is different about other Countries Fenestration Performance Data?

In other countries around the world window performance calculations utilise different protocols to create their window performance data.

In Europe windows are calculated to CEN protocols which utilise different temperature conditions to find the performance data of their windows. The windows will have different results to the performance data conducted in Australia.

In the United States of America while the results are calculated with the same protocols the final data is published in Imperial units of measurement {Btu/(Hr-ft<sup>2</sup>-°F)} . This differs to Australian published data that employs metric units of measurement {W/m<sup>2</sup>.K}. In this case the results will differ significantly just as an inch differs from a centimetre.

## What Measurements are AFRC Certified Products Calculated to?

The AFRC uses a set of standard conditions that the products are calculated to. These conditions include the interior and exterior temperature conditions that are applied to a window product for testing and the size of each different window product that is calculated.

## Where can I Get AFRC Accredited Certified Window Results?

Currently WERS (The Window Energy Rating Scheme) is the only Accredited Audit house for AFRC results. WERS consists of over 300 window manufacturer members across Australia with over 150,000 rated window products. All of the certified WERS data is available on the [www.wers.net](http://www.wers.net) website along with a membership search function to ensure that the window manufacturer is a WERS member. Only WERS members can certify their product to AFRC protocols and each WERS member will be able to provide a WERS certificate for their products.

## Where can you find more information?

More information can be found at [www.wers.net](http://www.wers.net), [www.afrc.org.au](http://www.afrc.org.au) or by contacting WERS on (02) 9498 2768

## What Does a WERS Product Certificate Look Like?



## Use this handy checklist to identify a Certified Energy Rated Window

- Has the Window been tested for compliance to AS2047? (The Australian Standard for Window Design and Installation) – Check for the Compliance Certificate provided by the window company or the compliance label attached to the window.
- Has the window been simulated for U-value (U<sub>w</sub>) and Solar Heat Gain Co-efficient (SHGC)?
- Are the results for whole of Window energy performance? – Check for the whole of window performance data. This differs from glass only data.
- Can the company provide a WERS (or other AFRC Certified body) Certificate of Compliance?
- Does the certified window data match the installed window description? (window type, window material type, Glass type, product series)
- Are the results certified to AFRC (Australian Fenestration Rating Council) protocols and procedures? – Results to other international protocols are not certified for use in the Australian market as the results are displayed or calculated in different measurements.
- Are the results displayed in Metric units? (W/m<sup>2</sup>.K for U-value) – Other rating systems use different measurements for U-value and are not certified for use in the Australian market.
- Is the company a member of WERS (Window Energy Rating Scheme)? – WERS is currently the only AFRC Accredited Audit House and is the only body able to certify energy ratings for the Australian Market
- Can the company direct you to a WERS listing for the product? - Located on [www.wers.net](http://www.wers.net)