



# Space Conditioning and Water Efficiency Product Application Guide

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# Introduction

This guide provides product applicants with guidance on how to apply for space conditioning and water efficiency products to be listed on our Register of Products, so that they are eligible to be installed and create Victorian energy efficiency certificates (VEECs) under the Victorian Energy Upgrades (VEU) program.

## About this guide

This guide provides instructions on how to apply for a space conditioning or water efficiency product to be listed on our Register of Products.

The product categories which are covered by this guide are:-

- Space conditioning products:
  - Underfloor insulation (Product category 12)
  - Double-glazed window (Product category 13)
  - Thermally efficient window product (Product category 14)
- Water efficiency products:
  - Low-flow shower rose (Product category 17)
  - Water efficient prerinse spray valve (Product category 36)

This guide is divided into three sections:

- Section 1 provides general information on product applications.
- Section 2 provides further detail of the performance criteria and documentary evidence required for space conditioning and water efficiency products.
- Section 3 provides further detail of the performance criteria and documentary evidence required for water efficiency products.

You should also read our Application Guide for Product Applicants, which provides additional information on:

- Our Register of Products.
- Our product application and assessment process, including things to bear in mind throughout the process.
- Some product application functionality.

## Who should use this guide

You should use this guide if you are

- applying for space conditioning and water heating products to be listed on our Register of Products under the Victorian Energy Upgrades program.
- interested in understanding the product application requirements for space conditioning and water heating products under the VEU program

You must hold a VEU account to apply for a product listing. Find out more about creating a VEU account at [www.esc.vic.gov.au/become-veu-accredited](http://www.esc.vic.gov.au/become-veu-accredited)

## Seeking assistance

If you encounter difficulties with your application that cannot be answered using this guide contact us on (03) 9032 1310 or [veu@esc.vic.gov.au](mailto:veu@esc.vic.gov.au)

We appreciate the time and effort that businesses put into their applications and product officers will endeavour to work with you during the assessment process.

If you have submitted a product application, please use the designated 'notes' field in the online product assessment tool to communicate directly with the product officer responsible for assessing your application.

## Legal context for this guide

We have prepared this guide as a general summary of relevant parts of:

- Victorian Energy Efficiency Target Act 2007 (the VEET Act)
- Victorian Energy Efficiency Target Regulations 2018 (the VEET Regulations)
- Victorian Energy Upgrades Specifications 2018 (the VEU specifications)
- Victorian Energy Efficiency Target Guidelines (the VEET guidelines)

View these documents at [www.esc.vic.gov.au/veu-legislation](http://www.esc.vic.gov.au/veu-legislation)

This guide should not be relied upon as substitute for legal advice and should be read in conjunction with the above source documents. In the event of inconsistency between this guide and the source documents, the content in the source documents apply.

# 1. Product requirements

## 1.1. Product criteria and documentation

Products must meet the specified requirements to be listed on the Register of Products and create energy efficiency certificates. We do not accept deviations from the listed standards.

You must review and familiarise yourself with the product performance and documentation requirements for each type of product before testing products and submitting product applications.

If you are unable to provide sufficient evidence that a product is capable of meeting the minimum criteria, the product will not be approved.

For most of the product categories listed on the following pages, you must submit an independent third-party verification of the product performance against established safety and performance standards, such as a test report from an accredited laboratory.

Consult the relevant sections of the VEET Regulations and VEU specifications when preparing documentary evidence for your application.

## 2. Product performance and documentation requirements for space conditioning products

### 2.1. Product Category 12: Underfloor insulation

Product criteria	Documentary evidence
<p>A product, or products when installed together,</p> <ul style="list-style-type: none"><li>• that complies (or together comply) with AS/NZS 4859.1 performance requirements once installed</li><li>• achieves a minimum Winter value of R2.5, determined in accordance with AS/NZS 4859.1.</li></ul>	<p>Test report by a NATA accredited laboratory or equivalent body showing compliance with the product criteria.</p>

### 2.2. Product Category 13: Double glazed window

Product criteria	Documentary evidence
<p>A glazing product that:-</p> <ul style="list-style-type: none"><li>• complies with of AS 2047—1999 and AS 1288—2006 performance requirements</li><li>• has a total U-value of not more than 4</li><li>• is WERS rated and labelled to a minimum of 4 stars for heating.</li></ul>	<p>WERS product certificate or screenshot of listing on the WERS<sup>1</sup> website demonstrating compliance with the product criteria.</p>

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<sup>1</sup> \*Window Energy Rating Scheme. A list of WERS rated products can be found at [www.wers.net](http://www.wers.net).

## 2.3. Product Category 14: Thermally efficient window product

Product criteria	Documentary evidence
<p>A product that raises the thermal efficiency of the single glazed window it is installed onto and when installed creates a still air gap between it and the single glazed window.</p>	<ul style="list-style-type: none"> <li>• WERS product certificate or screenshot of listing on the WERS2 website demonstrating compliance with the product criteria, or</li> <li>• Independent third party assessment – to be approved by us.</li> </ul>

## 2.4. Product Category 15: Weather sealing

Product criteria	Documentary evidence
<p>Door sealing or weather stripping product(s) installed to frame of, or each edge of, an external door in accordance with the manufacturer's instructions so it restricts airflow around the entire perimeter of the door and which:</p> <ul style="list-style-type: none"> <li>• does not impair normal operation of the door</li> <li>• is covered by warranty against defects for at least 2 years.</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product, or combination of products, is fit for purpose</li> <li>• Manufacturer's declaration stating the type(s) of doors on which the product could be installed</li> <li>• Product specification sheet(s) that include diagrams or photographs</li> <li>• Installation instructions</li> <li>• Warranty for each product.</li> </ul> <p>Note: When applying for combination products, applicants should enter:-</p> <ul style="list-style-type: none"> <li>• the brands and model numbers of all products into the 'brand' and 'model' fields using the format: 'brand; brand; brand' and 'model; model; model'.</li> <li>• enter the brands, model numbers and component type (e.g. bottom door seal) of each product into the 'product combination' field using the following example format: <ul style="list-style-type: none"> <li>– brand model (bottom door seal)</li> </ul> </li> </ul>

<sup>2</sup> \*Window Energy Rating Scheme. A list of WERS rated products can be found at <http://www.wers.net>



Product criteria	Documentary evidence
<p>Window sealing or weather stripping product(s) installed to frame of, or each edge of, an external window in accordance with the manufacturer's instructions so it restricts airflow around the relevant edges of the window and which:</p> <ul style="list-style-type: none"> <li>• does not impair normal operation of the window</li> <li>• is covered by warranty against defects for at least 2 years.</li> </ul>	<ul style="list-style-type: none"> <li>– brand model (door frame seal).</li> </ul> <ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product, or combination of products, is fit for purpose</li> <li>• Manufacturer's declaration stating the type of window(s) on which the product could be installed</li> <li>• Product specification sheet(s) that include diagrams or photographs</li> <li>• Installation instructions</li> <li>• Warranty for each product.</li> </ul> <p>Note: When applying for combination products, applicants should enter:-</p> <ul style="list-style-type: none"> <li>• the brands and model numbers of all products into the 'brand' and 'model' fields using the format: 'brand; brand; brand' and 'model; model; model'.</li> <li>• enter the brands, model numbers and component type (e.g. bottom door seal) of each product into the 'product combination' field using the following example format: <ul style="list-style-type: none"> <li>– brand model (bottom door seal)</li> <li>– brand model (door frame seal).</li> </ul> </li> </ul>
<p>Ceiling or wall exhaust fan that</p> <ul style="list-style-type: none"> <li>• is installed in accordance with the manufacturer's instructions and in place of the decommissioned fan</li> <li>• expels air either outside or into the roof space of the premises</li> <li>• is fitted with a self-closing damper, flap, filter or other sealing product that allows airflow through the exhaust of the fan when the fan is operating, but restricts airflow when the fan is not operating</li> <li>• is covered by warranty against defects for at least 2 years.</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product is fit for purpose</li> <li>• Product specification sheet that includes diagrams or photographs</li> <li>• Installation instructions</li> <li>• Product warranty.</li> </ul>

Product criteria	Documentary evidence
<p>A self-closing damper, flap, filter or other sealing product on a ceiling or wall exhaust fan that expels air either outside or into the roof space of the premises and on which no such product is already installed that:</p> <ul style="list-style-type: none"> <li>• is installed in accordance with the manufacturer's instructions</li> <li>• when installed, allows airflow through the exhaust of the fan when the fan is operating and restricts airflow when the fan is not operating</li> <li>• is covered by warranty against defects for at least 2 years.</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product is fit for purpose</li> <li>• Product specification sheet that includes diagrams or photographs</li> <li>• Retrofit installation instructions</li> <li>• Product warranty.</li> </ul>
<p>A product made of robust non-shrinking sealing material in an unsealed wall vent with the result that a ventilation opening in an external wall is sealed or closed that:</p> <ul style="list-style-type: none"> <li>• is installed in accordance with the manufacturer's instructions</li> <li>• is covered by warranty against defects for at least 2 years.</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product is fit for purpose and that it is made of robust, non-shrinking material</li> <li>• Product specification sheet that includes diagrams or photographs</li> <li>• Installation instructions</li> <li>• Product warranty.</li> </ul>
<p>A product that is permanently installed to an unsealed chimney or flue of a fireplace to which no such product is already installed and:</p> <ul style="list-style-type: none"> <li>• when fitted to a chimney or flue of an open fireplace used to burn solid fuel</li> <li>• restricts the airflow into or out of the chimney or flue when closed</li> <li>• allows the fireplace to operate safely and effectively when open</li> <li>• is designed to be installed permanently</li> <li>• is installed in accordance with the manufacturer's instructions</li> <li>• is covered by warranty against defects for at least 5 years</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product is fit for purpose and that the product is non-flammable</li> <li>• Product specification sheet that includes diagrams or photographs</li> <li>• Installation instructions</li> <li>• Product warranty.</li> </ul>

Product criteria	Documentary evidence
<p>A product that is installed to an unsealed chimney or flue of a fireplace to which no such product is already installed and:</p> <ul style="list-style-type: none"> <li>• is not a chimney or flue balloon</li> <li>• when fitted to a chimney or flue of an open fireplace used to burn solid fuel when closed restricts the airflow into or out of the chimney or flue</li> <li>• is designed to be installed on a temporary or seasonal basis</li> <li>• is installed in accordance with the manufacturer's instructions and with signage that has instructions for removal of the product</li> <li>• is covered by warranty against defects for at least 2 years</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product is fit for purpose</li> <li>• Product specification sheet that includes diagrams or photographs</li> <li>• Installation and removal instructions</li> <li>• Product warranty.</li> </ul>
<p>A product that is installed so it covers the ceiling outlet of a ducted evaporative cooling system to which no such product is already installed and:</p> <ul style="list-style-type: none"> <li>• restricts airflow from inside the residential premises into the evaporative cooling ductwork</li> <li>• is designed to be installed on a temporary or seasonal basis</li> <li>• is installed in accordance with the manufacturer's instructions</li> <li>• comes with instructions regarding its installation and removal and the time of the year that the product should be installed and removed</li> <li>• is covered by warranty against defects for at least 2 years</li> </ul>	<ul style="list-style-type: none"> <li>• Manufacturer's declaration stating that the product is fit for purpose</li> <li>• Product specification sheet that includes diagrams or photographs and compatible cooler outlet sizes</li> <li>• Installation and removal instructions that include when the product should be installed and removed</li> <li>• Product warranty.</li> </ul>

## 3. Product performance and documentation requirements for water efficiency products

### 3.1. Product Category 17: Low flow shower rose

Product criteria	Documentary evidence
<p>A shower rose that:</p> <ul style="list-style-type: none"> <li>complies with AS/NZS 3662:2013</li> <li>achieves 3 stars and a flow rate of range E, determined in accordance with AS/NZS 6400:2016</li> </ul>	<p>WELS<sup>3</sup> certificate demonstrating compliance with the product criteria</p>

### 3.2. Product Category 36: Water efficient pre-rinse spray valve

Product criteria	Documentary evidence
<p>A pre-rinse spray valve that:</p> <ul style="list-style-type: none"> <li>is described as “tap equipment” in the Water Efficiency Labelling and Standards Determination 2013 (No. 2) made under the Water Efficiency Labelling and Standards Act 2005 (Cth)</li> <li>is rated as having a minimum 6 star water efficiency rating when assessed and labelled in accordance with AS/NZS 6400:2016.</li> </ul>	<p>WELS<sup>3</sup> certificate demonstrating compliance with the product criteria</p>

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<sup>3</sup> \* WELS = Water Efficiency and Labelling Standards. WELS certificates can be downloaded by following the links at [www.waterrating.gov.au](http://www.waterrating.gov.au).

# Glossary

Term	Definition
Accredited body	In relation to a product, this means a body accredited under the Joint Accreditation System of Australia and New Zealand to give product certification or component certification of a product.
AP	An accredited person is a business that has been accredited by the commission to operate within the VEU Program. An AP is entitled to create VEECs through the undertaking of energy efficient activities which are prescribed under the VEET Regulations.
Approved laboratory	Means a laboratory that is accredited by the National Association of Testing Authorities under a mutual recognition agreement.
Business/non-residential premises	Under the VEU Program, business/non-residential premises are defined as: (i) the premises that is not registered as a residential premises (see definition below), and (ii) the premises not registered as a 'scheduled activity premises' unless it has been 'opted in' to the VEU Program pursuant to Regulation 10AA of the VEET Regulations.
COP	Coefficient of performance is the ratio of a product's rated heating capacity to its effective power input at its rated heating capacity.
DNSP	Distribution network service provider
Equivalent body	A testing body recognised by NATA under a mutual recognition agreement.
IPART	Independent Pricing and Regulatory Tribunal of New South Wales, the administrator of the New South Wales' Energy Savings Scheme.
NATA	National Association of Testing Authorities
RCM	Regulatory Compliance Mark
Residential premises	A building classified under part A3 of the Building Code of Australia as a class 1, 2, 3, or 4 building.
RFI	Request for further information
R-Value	The thermal resistance ( $m^2K/W$ ) of a component calculated by dividing its thickness by its thermal conductivity.

Term	Definition
Total U-Value	The thermal transmittance ( $W/m^2K$ ) of the composite element allowing for the effect of any airspace and associated surface resistances.
VEEC	Victorian Energy Efficiency Certificate. Each VEEC represents one tonne of carbon dioxide equivalent ( $CO_2-e$ ) abated by the prescribed activity.
WELS	Water Efficiency and Labelling Standards
WERS	Window Energy Rating Scheme managed by the Australian Window Association.

## Document version control

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1.0	First release	10 December 2018
1.1	Updated publication date references to the following standards: AS/NZS 3662:2013 and AS/NZS 6400:2016	10 June 2019