

<b>Secondary Glazing Retrofit; Residential Only</b>	<b>Activity No.</b>
	<b>BS3B</b>

## 1. ACTIVITY SPECIFIC DEFINITIONS

**Habitable Room** means any space that can be occupied within a class 1 or class 2 dwelling (as defined by the National Construction Code). This does not include any attached garages, sheds or the like

**Secondary Glazing** means a removable rigid sheet of glass, acrylic or polycarbonate that is fitted to an existing single glazed window so as to create a still air gap between the sheets. For the purposes of this activity description “secondary glazing” does not include any form of film.

**WERS** means the Window Energy Rating Scheme managed by the Australian Window Association

**System U-Value** means the thermal transmittance, in  $W/m^2K$ , of a window system including glass, sash and frame, as registered under WERS.

**Total Window Area** means the area of window replaced in square metres (metres x metres).

**Thermally efficient window** means a window (including glazing and frame) that meets the requirements of the table below.

Window Type	Minimum WERS Star Rating	Minimum WERS Star Rating	Maximum System U Value ( $W/m^2K$ )
	Heating Mode	Cooling Mode	
4 star Window	4 stars	1.5 stars	3.1
6 star Window	6 stars	3.5 stars	2.3

## 2. ACTIVITY DESCRIPTION (SUMMARY)

Retrofit secondary glazing to a pre-existing single glazed window in the external wall of a residential premises.

## 3. ACTIVITY ELIGIBILITY REQUIREMENTS

- Pre-existing windows to be retrofitted must be single glazed in good condition without rot, or corrosion or other form of material defect and located in an external wall of a habitable room
- The retrofit of secondary glazing must not be otherwise required by law, for example as condition of a development approval under the *Development Act 1993*.

## 4. INSTALLED PRODUCT REQUIREMENTS

The installed product must:

- (1) Be a window product rated by WERS
- (2) Be either glass, acrylic or polycarbonate (films are not eligible)
- (3) Be simply removable by the home owner so as to permit access to the formed air gap for cleaning/drying purposes.

- (4) Comply with the effective version of AS 2047 and AS 1288.
- (5) Be either a 4 Star Window, or a 6 Star Window in accordance with the minimum requirements for a thermally efficient window as detailed in the table above
- (6) Have a warranty of at least 5 years.
- (7) Be fit for the purpose for which it is intended to be used
- (8) Comply with any product safety or other product performance requirements in a relevant code of practice or other relevant legislation applying to the activity.

## 5. MINIMUM INSTALLATION REQUIREMENTS

- (1) All products must be installed in accordance with manufacturer's instructions
- (2) The window must be installed in compliance with the effective versions of AS 2047 and AS 1288.
- (3) The activity must be completed and certified in accordance with any relevant code or codes of practice and other relevant legislation applying to the activity, including any licensing, registration, statutory approval, activity certification, health, safety, environmental or waste disposal requirements;

## 6. ACTIVITY ENERGY SAVINGS

The normalised energy saved from undertaking this this activity is equal to:

Normalised Energy Savings (GJ) = Savings Factor (as per table below) x Total Window Area (m<sup>2</sup>)

Activity	Savings Factor
4 Star Window (NCC Zones 4&5)	<b>0.21964</b>
6 Star Window (NCC Zones 4&5)	<b>0.47875</b>
4 Star Window (NCC Zones 6)	<b>0.26533</b>
6 Star Window (NCC Zones 6)	<b>0.68795</b>