

Installation of Insulation to an External Wall; Residential Only

Activity No.

BS1C

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

External wall means any external (perimeter) wall within a residential premises that encloses a habitable room. External walls do not include any common or party walls (as defined by the National Construction Code)

Uninsulated external wall means an external wall without insulation. For the purposes of this activity, external walls with single sheet reflective foil sarking materials are deemed to be uninsulated external walls.

Insulation Area means the area of wall space where by insulation is to be installed by this activity. It is expressed as square metres (**metres × metres**).

2. Activity Description (Summary)

Installation of insulation to an uninsulated external wall

3. Activity Eligibility Requirements

1. A residential premises subject to this activity must contain uninsulated external walls.
2. The installation of wall insulation must not be otherwise required by law, for example as condition of a development approval under the *Development Act 1993*.
3. A recipient of this activity must cause payment to the installer for the goods and services provided, with minimum payment requirements being:
 - \$2 per square metre for priority group recipients
 - \$5 per square metre for non-priority group recipients
4. A valid tax invoice must be retained for verification purposes, clearly showing the completion date, the address that the insulation was installed in, the name and contact details of the person billed for the installation, and the amount charged for the installation.

4. Installed Product Requirements

The installed product must:

1. Comply with the performance requirements of the effective version of AS/NZS 4859.1
2. The insulation material must have a minimum thermal resistance of R1.0 per 45mm thickness.
3. Be fit for the purpose for which it is intended to be used. Where installed in areas that could be subject to dampness (e.g. immediately behind external brick walls) the insulation material must be suitable for installation in wet environments without compromise to the rated performance of the product.
4. 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. Come with a minimum 5 year product warranty

5. Minimum Installation Requirements

1. The insulation product used must be installed in compliance with the effective version of AS 3999, AS/NZS 3000 (as required) and the National Construction Code BCA Section J1.2. In particular the safety, pre-inspection and risk assessment procedures, electrical safety provisions and provisions for limiting moisture ingress of AS 3999 shall be observed.
2. Available wall cavities should be fully filled as far as is practical, typically between framing members and in cavities behind brickwork as applicable.
3. The undertaking of this activity shall not compromise the condensation management of the building. Reference should be made to the provisions in the Australian Building Codes Board publication "Condensation in buildings – Information handbook"
4. 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
5. The business or person undertaking the activity must have a building work contractor license which includes insulation within its scope of activities under the *Building Work Contractors Act 1995*
6. The activity must be overseen by a supervisor who is registered to undertake insulation installation work with Consumer and Business Services
7. Any person installing insulation as part of this activity must hold a construction industry 'White Card'.

6. Activity energy savings

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

Normalised Energy Savings (GJ) = Savings Factor (as per table below) x Insulation Area (m²)

Activity	Savings Factor
BCA Zones 4&5	0.30845
BCA Zone 6	0.59529

7. Guidance Notes (Informative only – not mandatory)

1. When insulating brick veneer walls from the top of the wall (using blow or pump in insulation) both the cavity and the space between studwork should be filled where possible. Where sarking is fixed to the outside of the frame the insulation should be injected into the cavity between the brickwork and the sarking and whenever possible and permitted, past the sarking into the top half of the stud framing between each stud down to the nogging level