Contact Details

General Enquiries

Tel: 1300 247 235 Email: info@kingspaninsulation.com.au

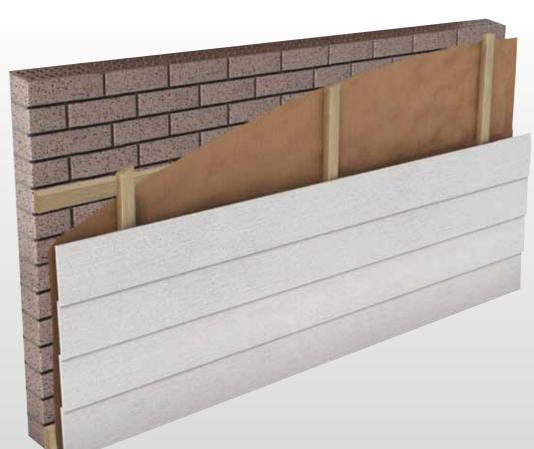
Kingspan Insulation Pty. Ltd. reserves the right to amend product specifications without prior notice. The information, technical details and fixing instructions etc. included in this literature are given in good faith and apply to uses described. Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications and any applicable laws and regulations. For other applications or conditions of use, Kingspan Insulation offers a Technical Advisory Service the advice of which should be sought for uses of Kingspan Insulation products that are not specifically described herein. Please check that your copy of the literature is current by contacting us or visiting www.kingspaninsulation.com.au



A4/4 RBV AW1075C ssue 4 May 2012

Reverse Brick Veneer Walls

INSULATION GUIDE



- Helps achieve a 6-star house energy rating
- 3-in-1 insulation, vapourpermeable membrane and radiant barrier
- Fibre-free, non-allergenic, non-irritant
- Quick and easy to install
- Acts as a temporary weather barrier prior to wall cladding being fixed
- Strong, tough, durable
- Water-resistant and unaffected by moisture
- Rodent and insect resistant
- Flammability Index ≤ 5
- Compliant with AS/NZS 4859.1
- CodeMark-certified for BCA compliance



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AIR-CELL Permishield® 65

Typical Design Details

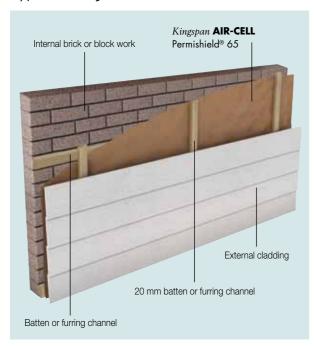


Figure 1 Kingspan AIR-CELL Permishield® 65 in reverse brick veneer wall installation

Thermal Performance

	Reverse brick veneer wall	Heat flow in	Heat flow out
	Kingspan AIR-CELL Permishield® 65	R _⊤ 2.0	R _⊤ 2.1
	The R-values shown are Total R-values for the building element as required by the		

The R-values shown are Total R-values for the building element as required by the Energy Provisions of the Building Code of Australia. Kingspan AIR-CELL® products are manufactured, tested and packaged in conformance with AS/NZS 4859.1. The contribution of the product Total R-values depends on installation and environmental conditions.

Specification Guide

Kingspan AIR-CELL Permishield® 65

The wall insulation fixed to the batten shall be vapour-permeable, CodeMark-certified *Kingspan* **AIR-CELL** Permishield® 65 fibrefree, thermo reflective insulation, comprising a cross-linked, closedcell foam core sandwiched with an anti-glare foil facing on one side and a plain foil facing on the other side manufactured by Kingspan Insulation, and shall be installed in accordance with the instructions issued by them.

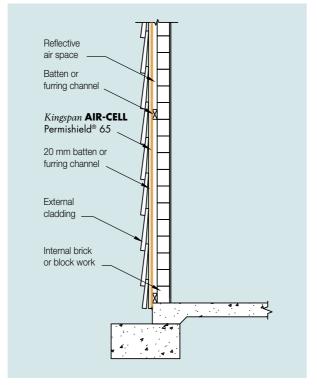


Figure 2 Side elevation of Kingspan AIR-CELL Permishield® 65 in a reverse brick veneer wall

Installation Instructions

Counter-batten Method

- 1. Roll out *Kingspan* **AIR-CELL**® horizontally and fix to batten.
- 2. Cut *Kingspan* **AIR-CELL**® carefully around doors, windows and other openings, so that it neatly abuts to frames.
- 3. Butt join *Kingspan* **AIR-CELL**® sheets and tape with a 48 mm wide reinforced foil tape.
- 4. Fix counter battens and exterior cladding.

General Requirements

- Fit Kingspan AIR-CELL® neatly around doors, windows, and any penetrations, and tape if necessary to prevent air leakage.
- 2. Foil facings are conductive to electricity and contact with uninsulated electrical cables and fittings must be avoided.
- When taping a plastic squeegee or blade must be used to apply appropriate pressure to the tape. Surfaces must be dry and free from dust, oil or grease prior to taping.
- 4. Leave minimum 50 mm clearance around heat producing flues or light fittings (refer to light fitting manufacturer).

These instructions are guidelines only and should be interpreted with consideration for the specific building design. The installation of *Kingspan* **AIR-CELL®** should be in conformance with the applicable clauses from AS 3999 and AS/NZS 4200.2 unless otherwise specified.

Kingspan AIR-CELL® can be damaged by intense heat above 105° C and contact with sparks and flame from blow torches, welders, cutting tools, etc. must be avoided.

The installer must make due provision for safety when installing $Kingspan \ AIR-CELL^{@}$ in any application.

Handling and Storage

Kingspan AIR-CELL® insulation products must be transported and stored in its protective packaging and kept clean and dry. Standing rolls on end reduces risk of damage should moisture be present in the packaging. Surfaces must be kept free of contaminants such as dust and grease, and must not be stored with foil surfaces in contact with alkaline materials i.e. wet cement, lime, etc.



