1 GENERAL

Storage and handling
Labelling: Deliver mineral wool products to site in packaging with third party mark of conformity indicating product is bio-soluble and not listed as hazardous material in the Safe Work Australia *Hazardous Chemical Information System* (HCIS).

Product identification
General: Marked to show the following:

- Manufacturer's identification.
- Product brand name.
- Product type.
- Quantity.
- Product reference code and batch number.
- Date of manufacture.

1.1 FIRE PERFORMANCE

Combustibility
Insulation: Tested to AS 1530.1.

Fire hazard properties
Insulation materials: Tested to AS/NZS 1530.3. Fire hazard indices as follows:

- Spread-of-Flame Index: ≤ 9.
- Smoke-Developed Index: ≤ 8 if Spread-of-Flame Index > 5.

Materials with reflective facing: Tested to AS/NZS 1530.3 and the recommendations of Appendix A6.

Pliable membranes: Flammability Index ≤ 5 tested to AS 1530.2.

Exposed insulation/linings: Group number to AS 5637.1.

1.2 MATERIAL

Thermal insulation
Standard: To AS/NZS 4859.1.

Wet process fibreboard (softboard): To AS/NZS 1859.4.

Mineral wool insulation: Bio-soluble and not listed as a hazardous material in the Safe Work Australia *Hazardous Chemical Information System* (HCIS).

1.3 COMPONENTS

Fasteners and supports
General: Metallic-coated steel.

Thermal break strips where required
Product: Proprietary item.

R-Value (m^2.K/W): ≥ 0.2.

1.4 PRODUCT DESCRIPTION

A non-combustible glass wool insulation batt made using up to 80% recycled glass, and with a sustainable, bio-based binder that contains no added formaldehyde.

Nominal thickness (mm): 75, 90.

Material R-Value (at 23°C): R1.5 (75 mm) to R2.2 (90 mm).

Certification: CodeMark Certificate CM30094.

2 EXECUTION

2.1 GENERAL

Thermal insulation
Requirement: To AS 3999 and BCA J1.2 or BCA 3.12.1.1, as appropriate.

Installation: Firmly butt together with no gaps except as follows:

- Access openings and vents: Do not obstruct.
- Light fittings: To AS/NZS 3000 clause 4.5.
- Electrical cables: To AS 3999 clause 2.6.

2.2 WALLS

Framed walls
Glass wool batts: Friction fit between framing members. If required, provide support with polypropylene strapping.

Thermal break strips: Provide to steel framing with lightweight external cladding:

- Screw fixing: Button head screws at 1 m centres.
- Adhesive fixing: Wallboard adhesive walnuts at 1 m centres.

Full masonry cavity walls
Glass wool batts:

- Installation: Fix on pre-installed wall ties to external leaf of internal masonry wall. Maintain 40 mm cavity between batts and internal leaf of external masonry wall.
- Sheet size: Select or cut to suit wall tie spacing.

Flashings: Install flashings before installing insulation. Prevent entry of water behind the insulation. Flashings to comply with the requirements of AS/NZS 2904.

Masonry veneer cavity walls
Glass wool batts: Friction fit between framing members. If other support is not provided, staple nylon twine to the framing and stretch tight.

Reverse masonry veneer cavity walls
Glass wool batts: Install between battens on outer face of masonry skin.

NOTES:

TITLE	MATERIAL SPECIFICATION INSULATION	
CLADDING	ALL	
SUBSTRATE	ALL	Rev
DWG NUMBER	000-AC-GF-DWG-0109	2