

Glasswool Building Blanket

General purpose building blanket

Product description and typical applications

Glasswool Building Blanket is a lightweight, flexible and resilient glasswool material (sometimes referred to as mineral wool), providing thermal insulation performance with the added benefit of being an effective sound absorption material. These products can be used in conjunction with a Sisalation® vapour barrier foil under the blanket where condensation prevention is required (see Permastop™ or Vapa-Chek™ data sheets). Glasswool Building Blanket provides excellent thermal and acoustic insulation when installed under metal deck roofs and in metal clad walls.

Physical characteristics

Material R-value (m ² K/W)	Nominal Thickness (mm)	Dimensions (mm)	Area per Roll (m ²)
R1.3	55	15m x 1200	18
		20m x 1200	24
		30m x 1200	36
R1.8	75	15m x 1200	18
		20m x 1200	24
R2.5	100	10m x 1200	12
R3.0	130	10m x 1200	12

General installation advice

- Install Fletcher Insulation Glasswool Building Blanket in a dry state.
- Where cutting is required use a sharp knife and straight edge. Cutting with power tools is not recommended
- Butt blanket firmly on end and side joins. Fit tightly around roof protrusions. Fill gaps with off-cuts to avoid heat leakages.
- Under a metal deck roof or metal clad walls, the use of a moisture vapour barrier on the warm side of the structure (inside) should be considered to prevent condensation from occurring.

Visit www.insulation.com.au for more information.

Green Star compliant

The Green Building Council of Australia (GBCA) strongly recommends third party validation of insulation products environmental merit by GECA - Good Environmental Choice Australia (www.gbca.org.au). All GECA certified products automatically achieve 100% product score in the Green Star calculators. GECA scientific research is based on function and overall environmental and human health in conformance to ISO14024. GECA certification provides a clear, credible guide to products that are sustainable and improve the quality of the environment.

Fletcher Insulation is committed to providing environmentally sustainable products. Fletcher Insulation products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.

AS/NZS 4859.1:
2002 - Including
Amendment 1
Materials for the
Thermal Insulation of
Buildings

Glasswool Building Blanket comply with the Energy Efficiency provisions of the BCA for all types of thermal insulation to be certified by a NATA accredited organisation.



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FLI - 2007
GECA 33-2007 - Building Insulation
www.geca.org.au

Environmental Choice Australia
Certified Product

Fletcher™
Insulation

We safely deliver extraordinary
value to our customers

AS1530.1 test for combustibility of materials

Testing conducted by CSIRO in accordance with AS1530 Part 1 concluded that *Fletcher Insulation* Glasswool Building Blanket is non-combustible.

The BCA deemed to satisfy provisions require walls important to the structural integrity of commercial buildings to be constructed wholly of materials that are non-combustible. Fire rated (FRL) walls between tenancies and common walls of multi-level apartment buildings also must be constructed wholly of materials that are non-combustible. The BCA states that if materials used in an assembly contain combustible components, then the assembly is combustible.

Incorporating non-combustible *Fletcher Insulation* Glasswool Building Blankets into wall systems allows builders to gain acoustic and thermal benefits while still complying with the BCA requirement to maintain structural integrity and for minimizing risk to occupants from smoke inhalation and fire in Class 2 to 9 buildings.

AS1530.3 Early fire hazard properties of materials

Fletcher Insulation Glasswool Building Blanket exhibits the following characteristics when tested in accordance with AS1530 Part 3. Tests conducted by AWTA.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	0-1

Maximum service temperature

Fletcher Insulation Glasswool Building Blanket has a maximum service temperature of 340°C

Moisture resistance

In the event of Glasswool Building Blankets becoming wet, they should be dried prior to installation to obtain maximum performance and prevent damage to other building elements. Glasswool Building Blankets absorb less than 0.2% moisture by volume when exposed to environmental conditions of 50°C and 95% relative humidity for four days.

Alkalinity

When tested in accordance with British Standard 3958, *Fletcher Insulation* glasswool products are slightly alkaline pH9 (neutral pH7). They will not promote or accelerate the corrosion of steel or galvanised steel studs provided they are protected from external contamination.

Specification notes

State the following:

- Product name - *Fletcher Insulation* Glasswool Building Blanket
- Material R-value (or thickness) required - R1.3, R1.8, R2.5 or R3.0
- Area required
- Location in building and description of work
- Type of vapour barrier (if required). Refer to sisalation.com.au

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NOTE: Fletcher Insulation Pty. Limited. reserves the right to change product specifications without prior notification. Information in this Publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but Because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given Or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application.

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The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation utilizes approximately 70% recycled waste glass.



Low Allergen content with the ability to moderate temperature changes.



Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glass WoolTM. FBS-1 Bio-Soluble Glass WoolTM is not classified as hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC), Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008) 3rd Edition. Fletcher Insulation glasswool is classified as safe to use, refer to our MSDS.



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Insulation